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NATIONAL MUSEUM OF VICTORIA

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The Journal of the Department of Agriculture of Victoria, Australia.

September, 1921.

PRINCIPAL CONTENTS

Annual Report—Standard Herd Test

Return of Certificated Cows for the Season 1920-21

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THE JOURNAL

OF

THE DEPARTMENT OF AGRICULTURE,

VICTORIA, AUSTRALIA.

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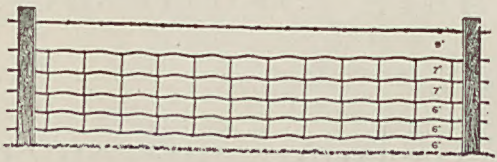

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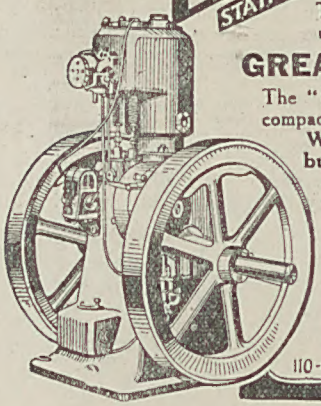

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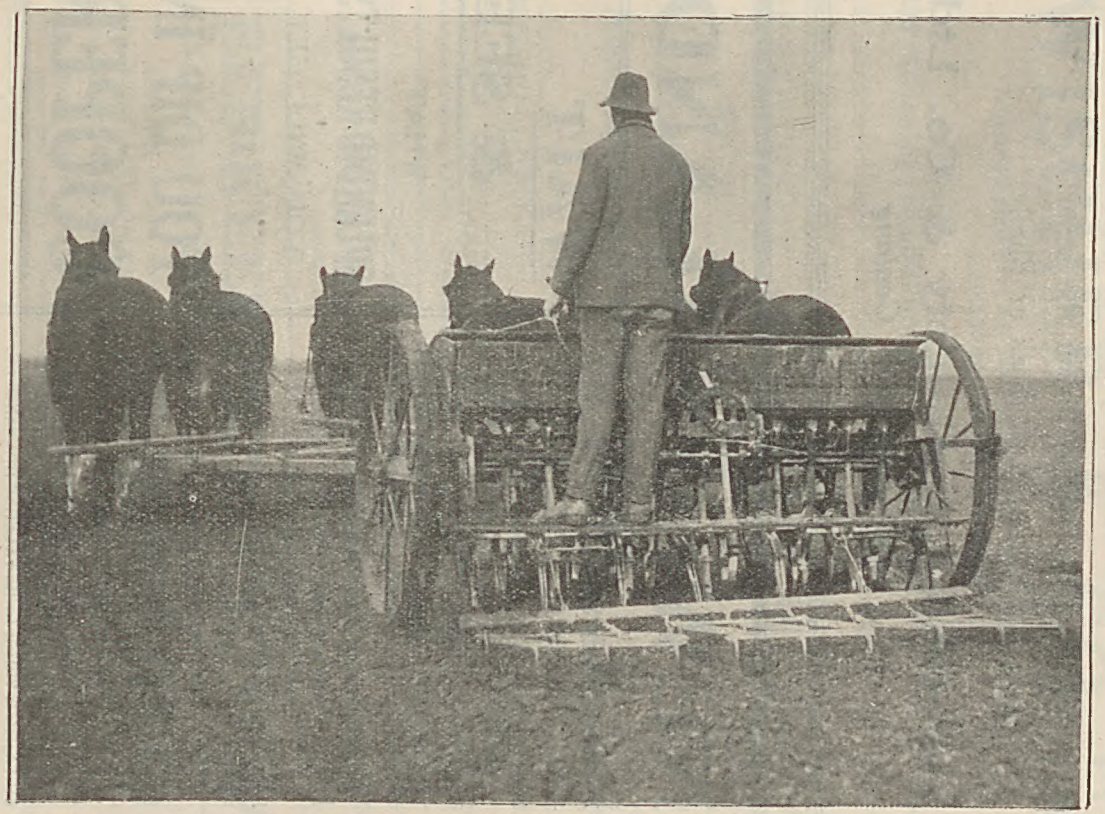

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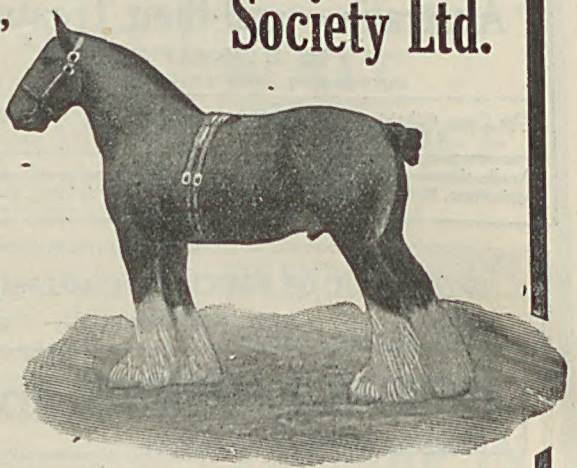

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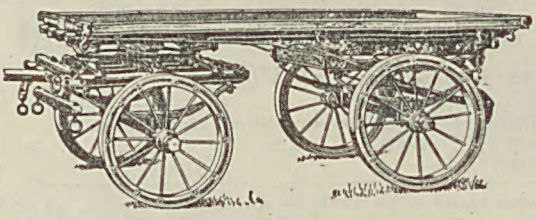

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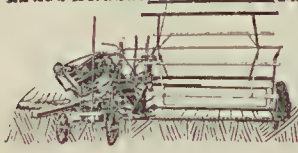

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OF THE

Department of Agriculture

OF

VICTORIA.

Vol. XIX. **September, 1921.** **Part 9.**

THE STANDARD HERD TEST—SEASON 1920-21.

Conducted by the Department of Agriculture.

NINTH ANNUAL REPORT.

By J. M. Kerr, Herd Registrar.

Herd testing as conducted by the Department of Agriculture has its foundation in the belief that, given sufficient concentration of the principle in the parents, high milking function in dairy cows is as hereditarily transmissible as the special beef function of the Shorthorn, the degree of concentration depending on the number of animals strongly possessed of the principle which occur in the pedigree. It might be described as the number of infusions or "charges" the whole line of blood has received down the course of the generations, accumulating and intensifying with each new introduction till predominance or prepotency is attained. If this contention is unsound, then herd testing, as a method of cow improvement, cannot be substantiated.

Of course, breeding for butter-fat production can never be quite as simple as breeding for form or shape, because, with the latter, the degree of success which is being achieved is manifest to the eye—a visible character. Not so with milking function. Certainly there are standards of conformation, purely arbitrary, which breed-fanciers would have us believe invariably connote milk and butter fat; but this so frequently belies the animal's producing capacity that it makes as much for delay as progress, and that system of selection must be scrapped if we are ever to make heavy production as permanent an attribute of a breed as, say, form and colour. Of course, breeders have to meet the minor objection that the dairy cow as we see her is not an end in herself, but only a means to an end. Milk secretion is the goal, and each animal's suitability for carrying us forward towards it has to be proved by actual test over the whole lactation; hence the call to which the Government herd test is the answer.

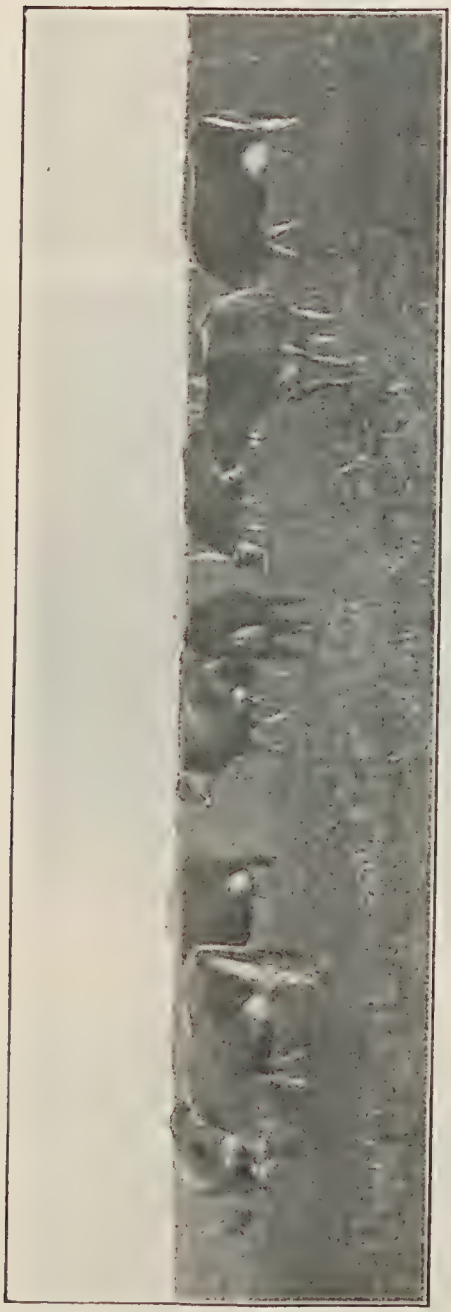
The numerous disappointments, due to dependence on appearance only, have unfortunately driven some men to the conviction that true dairy character is not hereditary. It has to be admitted that no breed is so far advanced in this regard that heavy milking capacity can be guaranteed to characterize the progeny, but some breeds certainly have arrived much nearer to that objective than others. This is just because the blood has received more of the requisite infusions, through the principle having been more generally insisted upon in antecedent matings. Only let heavy butter-fat production be regarded by breeders as the most desired quality, and it will soon be made as constant as the hornlessness of the Polled Angus.

We hear the 1,000-pound fat-yield called phenomenal, but the phenomenal of to-day is the commonplace of to-morrow. The man of the Stone Age would marvel at Victoria's despised average dairy cow; Nature's old crab-apple grew into the Jonathan under man's patronage; according to man's will, the jackal becomes either a St. Bernard or a toy terrier. That the cows of the dairy breeds are not all dairy cows is due to man's neglect to exploit Nature's invitation in this direction as fully as he has in others. What individual workers have already accomplished by co-operation with Nature in both animal and plant breeding, ranks with other scientific achievements in the sister fields of invention and discovery as by far the most useful contribution ever made to the material welfare of the people. The possibilities are still far from being exhausted. Herd testing is working with a similar object to a similar end. By first trying out, and actually proving that the animals are the most possessed of the desired character, before breeding from them, it is hoped to complete the evolution of the dairy cow.

There was a time, no doubt, when mankind had to be content for food on whatever was forthcoming from the purely natural plants and creatures which survived by virtue of some peculiar fitness to look after themselves, rather than by any special utility they possessed for man. There was no place in that world for udder development as it exists to-day in the modern dairy cow. Animals possessed of the principle were born, no doubt, but under purely natural conditions were eliminated by the very function. And it is conceivable that, with its regularly repeated suppression, the heavy production principle was recurring less and less frequently, when opportunely for us, man asserted his influence —feeble at first, but which has since grown into almost complete dominion. This first step in the development of the commercial dairy cow occurred very early in civilization, when man, first learning the food value of milk, saw that it was to his interest to take a milk-yielding species under his protection. In the inferior milking animals which he then crudely exploited was rescued the germ from which has been evolved, by human selection, the highly developed mammary function of the high-class dairy cow of to-day, exceeding in several instances the 1,000-pound butter-fat mark.

The commercially profitable dairy cow is essentially the product of man's genius, exists for him alone, and without him would again revert to the low level of her primitive progenitors, which could barely feed their own calves. All primitive cattle are the same in this respect, and remain so as long as natural selection obtains. Primitive races have ever primitive cows, and no breed of cattle has ever made any material advance in milk secretion apart from those which man has taken in

hand with that specific object in view. And our best dairy cows to-day are just those latter—begotten by selected parents, and selected and mated in turn themselves, because of their special udder efficiency, to further fix the principle. Were it not that certain of the world's cattlemen were observant enough to learn that no advance could be made by promiscuous mating, the generality of our dairy cattle to-day would be no better than the humped oxen of India.



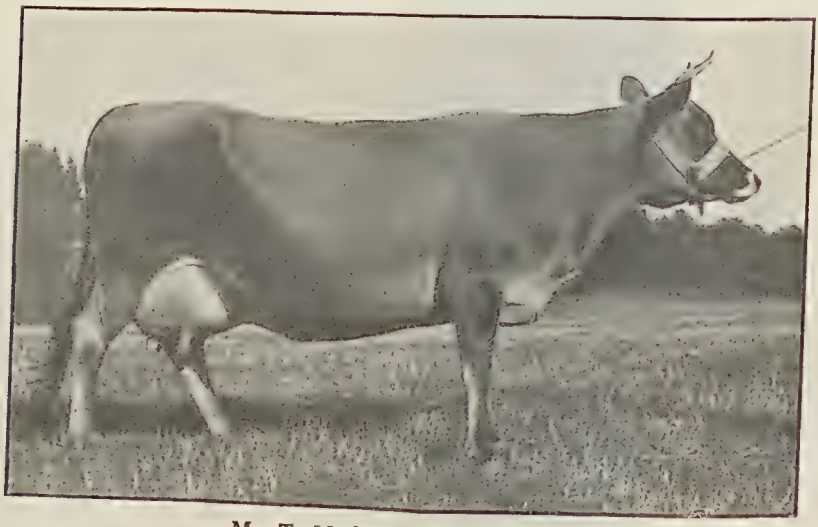
Some of the Winning Herd.

Just at what time man's growing intelligence discovered the law that in mating the sexes the parental type was most likely to be repeated, cannot be asserted; but certain it is that this law of Nature was given little useful application in dairy cattle breeding until comparatively recent times, say, about the middle of the eighteenth century. The achievements of the Collings Brothers shortly after that time certainly proved their appreciation of its tendencies at least, and by applying their understanding of it they evolved the early Shorthorn, the first pure breed with shape and function of preconceived design. Purity, proved by the progeny's non-variation from certain desired and anticipated characteristics, was secured in the many various breeds of cattle, now known as the pure breeds, by similar means. Of course, beef, the simpler objective, came first. It was simpler because in breeding for carcass, type always means beef, and beef always means type; but with the milking breed type and function are not so invariably associated—in fact, they are not necessarily associated at all. Consequently, production would only be bred for as indicated by conformation and "feel" of body and udder, and, perhaps, colour—a crude practice

persisting even to-day, when the convenience of the Babcock tester has removed all excuse for it.

Those old hands operating before the days of scientific food analysis, and depending only on udder indications to guide them, made as creditable progress as could be expected under the circumstances. A greater degree of progress eventuated when churn records began to be kept, especially in the small herds of Jersey. But had herd testing, as we know it, been practised from the beginning, and its lessons acted upon down through the course of breed improvement since, the dairy breeds to-day might be hereditarily transmitting heavy production as unfailingly as they now impart the less important typical breed-colour.

It cannot be believed that udder function was ever entirely disregarded by the early breeders, but it does not constitute a standard of



Mr. T. Mesley's "Garrene 2nd."

(Born 17.2.15.)

Calving Date.	Milk lbs.	Test.	Butter Fat. lbs.
19.9.16	4,698	6·02	282·90
27.8.17	6,681	5·26	351·76
23.7.18	7,263	5·62	408·29
15.8.19	7,184	5·67	407·16
23.7.20	10,109	5·71	576·80

any breed, and naturally other characters, such as colour and shape, which have always been regarded as essential breed points, would invariably be given preference. If the animal, true to the breed type, happened to be a good milker, well and good; but if not, it would be sufficient, then as now, if she looked like one. Even if breeders had gone to the great trouble necessary in those days of ascertaining the high producing animals, these heavy yielders, most suitable for the propagation of the peculiar milking function, would so commonly have lacked the fancy points which constitute the breed standards, that the principle of milk production would never have stood anything like the same chance of inclusion in mating considerations, for there is no reason to believe that breeders in the past were any different from those of to-day. All the established breeds have been produced by fanciers, and fanciers have

ever been showmen; a cow's butter production does not enter into a show award at all, but a tail set a bit too high or low might easily cost the heaviest milker the prize.

The old-time breeders certainly had some excuse for insisting on form rather than function. The former was obvious to a judge's eye, whereas function cannot be determined in the ring. Even now, with the convenient Babcock tester, it can be determined only after a full lactation of testing. Before the invention of the cream separator each cow's milk must needs have been set separately, and, before the discovery of the modern tester, churned separately as well. And even then this might often have been misleading, because at that time neither the quantity nor nature of food ingredients necessary to a certain yield of butter-fat was

Mr. C. D. Lloyd's "Starbright 9th."

Calving Date.	Milk.	Test.	Butter Fat.
	lbs.		lbs.
6.4.20	9,690	6·01	582·07

sufficiently known for it to be prescribed as it may be now. The right animal did not show out, perhaps because of unsuitable feeding; no cow, not even the best, can make four gallons of milk out of material sufficient for two. Whether the omission of the function element was by accident or design matters not much now; the fact remains that udder-yield—to which, from a national point of view, all other breed-points might well be subordinated—can yet only be promised as a probability, whereas other characters, equally uncertain at one time, can be promised as certainties. This can be remedied only by production being made the primary objective in breeding. Herd testing will help such a movement to the utmost.

Seeing that the product—milk—is of much more value than the mere apparatus used to produce it, it is surely an anomaly that we cannot yet

quite guarantee the necessary udder function even in the Jersey, of single-purpose repute. So far there is no breed which is bred for production alone. The Friesian is bred for milk and size, the milking shorthorn and Red Poll for milk and beef, and the Jersey and Ayrshire for milk and type. Whether carcass or type has the greater justification for inclusion in the necessary qualifications of a dairy cow will be answered just as one fancies the larger or smaller cattle, but to an impartial mind it would appear that those who insist on a useful attribute, like beef, have at least as much wisdom on their side as those who insist on tacking on type. No attribute of a dairy cow will bring as much revenue to the industry and the State as a high and rich milk yield. Production might well be made the one object in these stressful days. These are not the times to be chasing rainbows.

Breed traditions, starting with the beef breeds, insist on a certain uniformity in appearance; in fact, that is about all ever regarded necessary to constitute a breed. Many breeders are waking up to the absurdity of this in milk breeds, or animals which are of comparatively little use apart from their milk yield. But the respective breed associations feel bound to preserve the conventional breed-points, else they fear the word "Ayrshire" or "Jersey" would not have the same meaning in Australia as it has in the birthplaces of the breeds. The result of this jealous guarding of type is that, although the breed's only practical utility consists in its milk yield, the best yielders, and consequently the best representatives of the breed's purpose, are often disqualified as sires and dams because of some defect in type. From this jealous guarding of type it would appear as if it were as badly wanted as production. This checks rather than helps progress if production be the goal, and undoubtedly it must be the goal of men hopelessly unable, as dairymen are, to raise the price per lb. A combination is always harder to breed for than a single character, and, whether it be beef and milk or type and milk, it is certain that the pursuit of either combination, instead of milk alone, is delaying the advent of the pure dairy breed of guaranteed udder function.

Fanciers of the established breeds are apt to resent anything in the nature of dictation from a mere modern individual whose grandfather was not born when the breed was first founded. Their attitude is natural and understandable, and, to a certain extent, respected. But the issue is too vital to let any one's personal feelings stand in the way. The breed associations have a perfect right to prevent any alteration of the standards of their breed if they so will. And so the most useful class of cow we have, the cow it is the dairyman's and the State's interest to foster, the cow which is indispensable to speedily complete the evolution of the producing function, is the only pure-bred animal which gets no show advertisement, and is to that extent discredited.

Surely this can be remedied without offence or disrespect to anybody. Practically no harm will result from the present established breeds retaining the fancy standards so long as the evolution of the pure dairy cow is not limited to the same rate of progress thereby. What is there against allowing the original breeds to retain their peculiar breed-points with milk only a casual attribute? Those breeders in the respective associations who realize the supreme importance of production could set about developing a variation, if necessary, of the breeds for dairy purposes pure and simple, using pure-bred animals of the present breeds for a foundation, but ignoring the unessential points, and making a cer-

tain yield and purity of blood the only qualifications necessary for acceptance in the herd-book, or two herd-books if necessary—one requiring purity of blood, and the other sufficiency of yield. For show competitions entry could be limited to animals holding the certificate of yield, requiring, say, 350 lbs. of butter-fat for a mature cow, and proportionately less for a younger. Judging could be on production records considered along with the udder conformation—an inconvenient or awkward udder detracts from the value of any yield. The breed association would object to an animal not conforming to the breed traditions retaining the registered name of the breed. Quite right! Then let a new name be adopted signifying the breed's singleness of function. It could be the dairy Ayrshire or Jersey, or, better still, the "dinkum" dairy cow. Owners could help the good cause by offering prizes, each competition to be confined to the descendants of one particular cow judged on the same lines—that is for the best member of a family.

Mr. T. Mesley's "Ragtime of Warenda."

(Born 30.8.18.)

Calving Date.	Milk. lbs..	Test.	Butter Fat. lbs.
23.9.20	6,365	6·71	427·24

Any effective scheme of testing pre-supposes the adequate feeding of the animals. This is the herd-owner's obligation. If an owner neglects this plain duty he may as well save his fees, for the information the test furnishes under those conditions can be of no use to himself nor any one else. It is like sending a steamer out on a steaming test short of coal, or stokers, or both. This applies with any ordinary cow, let alone a high producer. Some dairymen seem to think a cow can create milk out of herself. This is absurd. Her function is transforming suitable vegetable matter of comparatively inferior value into milk of great value. Milk secretion is as dependent on fodder as steam generation is on heat; and the fodder supply of a cow is as dependent on the efforts of her owner as hot water in a boiler is on fuel; and all fodders are not equal for producing milk any more than all fuels are equal for generating

steam. Not only is the daily milk yield dependent on the daily food supply, but the cow's body itself—her very machinery—is maintained and repaired from the food she eats. No cow of any breed can sustain, along with the body's many ordinary functions, the extraordinary one of heavy milk secretion, if her constitution be impaired or vitality lowered by inadequate feeding. This does not mean that, given equal food, all cows will produce equally.

There are men, generally these whose cows are no good, who would appear to believe that the respective quality of the cows in the test has nothing to do with the higher yields of some over others. They say it is ALL a matter of feeding. It would be as reasonable to claim that a badly designed, or, say, tubeless, boiler will steam as well as a tubular

Mr. T. Harvey's "Dainty 6th."
(Born 20.8.12.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
10.1.15	5,306	5·66	300·33
10.3.16	5,985	5·57	333·25
30.7.17	9,189	5·14	472·87
12.8.18	5,879	5·44	319·84
29.3.20	11,033	5·27	581·40

one, which is also absurd. Of course, men who argue this way never attempt to explain the yield variations in the one herd. The truth of the matter is that neither the feed nor the cow can be left out of the reckoning. It is presumed that any man wise enough to enter his herd for testing will be wise enough not to underfeed them. A cow is not a dairy cow at all if she does not convert whatever food she eats, over her maintenance requirements, into milk. But the udder, as well as the stomach, must be fed—a starved udder cannot secrete milk any more than an empty stomach can digest food. An owner should surely know what is a fair maintenance allowance. If the ration contains a liberal surplus of milk making ingredients over this, and the cow does not give him a liberal return, it is no good his blaming anything else but the

cow; she simply lacks the milking capacity, and all the feed in the world would not make her milk yield any more.

It is conceded that a low yield is not absolute proof of a poor cow if the cow is not receiving a fair ration. There are low yielders in the Government Herd Test, but no one but the owner is to blame if any of these low yields are due to underfeeding. That is his responsibility, and he, having the remedy, need not complain. It does not do to pretend that, because perhaps some cows may miss their certificates through their owner's neglect to feed them, that the good yields are all a matter of feed. No man ever yet got a high yield from a bad cow by feeding her—let him stuff her to bursting with milk and honey if he likes. The

Mr. J. H. Hunter's "Mates 6th of Melrose."

(Born 20.8.14.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
29.5.17	7,190	5·43	390·32
18 9.19	11,206	4·89	547·74
18·9·20	11,866	4·68	554·90

cow which yields high in the Standard Herd Test is as good as her yield, and no man looking for a good bull need fear otherwise. As the purpose of the test is to reveal the good cows, the omission of a few which might possibly be good does not invalidate the test for its purpose at all, and if there is any suffering it is visited upon the right person—the neglectful owner, who is not wanted in the test anyway, either by those who conduct it or the public who pay for it. If there be any farcical element in the Standard Herd Test it is not overfeeding, but rather underfeeding, and if the latter received some of the sneers so often directed at what is called overfeeding, it is certain that they would be more deserved. The only overfeeder is the owner who goes on feeding a rich ration to a

proved "scrubber." The test has a lesson for all who will learn, but the persistent non-culler and non-feeder are beyond it.

As the class of cow improves, the feeding must also improve. Primitive conditions are no good for the specialized cow. Her value is in her special function of manufacturing relatively cheap material into the human food of highest value known to man. The special virtue of the good cow is that her rate of production is in increasing proportion to her rate of food consumption. The man is foolish who, having such an animal, does not keep the food up to her. It is more profitable to employ her special ability in its proper function of converting her food into milk, than in the foreign function of rushing around seeking sustenance, for which she has no special aptitude at all. What is wrong with the

Mr. J. Hutchinson's "Beauty 4th of Somerville."

(Born 7.3.15.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
1.7.19	9,099	5·54	503·99
26.7.20	10,536	5·15	543·22

men who refuse to recognise their obligation in this regard is that their evolution has not kept pace with that of the animal they are abusing. They themselves have not evolved sufficiently to be called dairymen, and would be better suited with the fleeter, hardier, and more muscular animal of the Stone Age, which needed milking only once a day, and consequently was given more time to search for fodder.

Breeders of pure stock must recognise that when the breed which is to possess the high yielding function as an unvarying character does arrive, it will depend still more on man because of it. Being its creator, he must remain its protector, and the same intelligent attention will be required to preserve the breed as was required to gain it. Nature will never accept the whole responsibility of preserving a creature in the

creation of which she was only a partner. We must never forget why primitive races have ever primitive cows. We cannot allow this, our supreme food-provider, to degenerate without ourselves degenerating.

While herd testing is enabling the pure breeders to fix more and more the milking habit, it is also establishing an elect of male animals well infused with the milking principle, which our dairymen, to the credit of their intelligence, are learning to demand. Their requests for confirmation of quoted records are very welcome. The increasing frequency of the inquiries undoubtedly indicates that the awakening to the greater value of tested stock is becoming more general. The conceit that the producing capacity of animals can be judged reliably enough from

Mr. A. W. Jones' "Mermaid 4th of Melrose."

(Born 1.2.15.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
8.12.17	6,084	6·16	374·71
7.3.19	6,170	6·44	397·09
31.3.20	8,599	6·30	541·76

external appearances served some purpose when there was nothing better to go upon. It is still better than nothing at all as a guide, when selection has to be made from animals of which nothing otherwise is known, as one has to do if purchasing is practised instead of breeding. Observation and judgment are required to detect unsoundness in general health and in the udder especially, also to ascertain if a supposedly in-calf cow is really so. The eye alone suffices to pick out correctly, say, an extremely lanky, herring-gutted, slab-sided, almost udderless cow as useless for milking purposes, but the defects must be extreme indeed to be proof positive that she will not milk more profitably than many—perhaps very many—better looking cows. It is only with the extremely

inferior class of cow that the eye can be relied on. With the great majority of cows, ranging from the ordinary in appearance to the superbly beautiful royal champion, no one living can estimate in advance what degree of butter capacity they possess.

As far as production is concerned, an ordinary looking cow, somewhat defective in all the breed points, or deficient altogether of some of them, is just as likely as not to surpass, and perhaps far surpass another cow possessed of every one of them to perfection. This being so, should judging on points ever be taken as a serious business from a utility point of view? Can such a practice be any more deserving of

Leongatha High School's "First Choice."

(Born 29.9.13.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
28.10.15	2,886	6·33	182·64
21.8.17	6,820	5·98	407·85
23.9.18	6,599	5·95	392·47
18.8.19	8,565	5·92	506·88
4.9.20	8,479	6·09	516·23

State assistance and encouragement than a dog or cat show? It was justified, perhaps, when we had nothing better, but now, in proportion as it is taken seriously, it is serving to divert young minds from the only system of any value—yield recording and testing. Awards of merit based on milk veins, milk wells, escutcheons and such imaginary virtues are taken all too seriously for the good of the struggling young dairyman, the industry, and the nation. The udder—the gland by which the milk is actually secreted—cannot be denied some bearing on producing capacity, and its conformation and texture should certainly be taught, as well as the signs of local and general health, physical soundness (especially of udder and mouth), age, and pregnancy, because men newly embarking on the industry have to depend on the sales for their initial animals, and consequently will then find this knowledge helpful.

But in teaching this it should be emphasized that, although an extremely small, or extremely fleshy, or objectionably pendulous udder must necessarily condemn a cow, the cow with the extensive and well-shaped vessel may be little better. What makes an udder good or bad to secrete is the amount of secreting tissue it represents. It is possible to determine this externally from its conformation and texture. No udder can be all secreting tissue. There must be a certain amount of fibrous tissue to sustain and contain the secreting cells. The fibrous tissue remains practically the same in extent before and after milking, but the cellular tissue is composed of the milk ingredients, and comes away in the form of milk. If an udder full and extensive before milking collapses like a glove on being milked out, it shows a large proportion of the desirable cellular tissue. If a vessel, big before milking, remains

Messrs. Dickinson Bros.' "Pauline of Ashby."

(Born 4.6.17.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
25.7.19	10,200	3·62	368·94
31·8·20	13,755	3·24	445·78

unreduced or little reduced after being milked, it shows a superfluously large proportion of useless fibrous tissue, leaving little room for milk cells. These udders cannot secrete much milk. In this connexion the photograph of some of the high producers in this year's test are an interesting study. In some cases these are of the animals when dry, and consequently practically devoid of secreting cellular content. This enables us to see the organ empty. The udder of Messrs. Dickinson Brothers' Friesian "Pauline" looks little more than skin; yet that udder's capacity is 6 gallons of milk per day over a number of days in the test. It may be imagined how it must be built up with secreting cells, and we can see from the picture what little is left of it when they are withdrawn. This alone, however, does not constitute butter capacity. No one can tell from this how long the udder will keep in milk, or the quality of the milk it will secrete. Her capacity in these other directions can be proved only by testing. Whatever value external features of the

udder may have, they are altogether inadequate to determine the merits of a cow, although admittedly better than nothing.

The beginner at dairying must necessarily take chances in acquiring the initial cows, because no other means suggests itself but purchasing. He has nothing then to help him except observation of the above-mentioned signs—of udder, health, age, and pregnancy. If on this his first venture more of his cows yield him over 250 lbs. of butter-fat than under, he can consider he has been fortunate for a start. If the reverse, the experience will not be an unmixed evil, providing he tests, for he will then see the wisdom of being in a position to breed his own dairy heifers—the soundest line a dairyman can follow if he will only go the right way about selecting the herd sire. The choice might either make or break a beginner. Let him not forget that it is butter-fat which is going to pay his interest, taxes, rates, and his storekeeper. His own wage will be high or low just according to his butter-fat returns. A cow's butter-fat capacity is a close family secret which has to be extracted from her to be proved, and should she be proved deficient in this most essential of all attributes, fine milk veins and wells, fine neck and shoulders, fine escutcheons, beautifully set tail, back lines, and under lines, the fine points all over her will prove no substitute in dealing with an impatient mortgagee or storekeeper. Such assets are difficult to negotiate, whereas butter-fat is easy. This should be perfectly clear in a man's mind when he sets out to buy a bull.

In making a choice the first and main consideration should be given to the family history, as revealed by the official herd test. One would not be wise to accept private records. Choose the best appearance certainly, other things being equal. But before being led away by good appearance, a man should ask himself the all-important question, "Does this bull come from high-producing or only show stuff?" Good looks should get no preference (except over an extremely mal-formed rival) if the dam's yield be not equal, even though the price be temptingly low. His whole herd is shortly going to bear the impress of the bull he buys—for good or ill. The aim must be to secure a bull with proved high production on both sides of the pedigree—pure-bred, of course—so that there may be fewer variations to throw back to. Get him for a low price if you can, but do not expect to. A low-priced bull might be dear, and a high-priced one cheap, before the purchaser is done with him. What, if one has it, is 50 guineas to pay for a bull which might easily put this extra value on to his first ten heifers?

A bull with two milking strains combined in him may be safely calculated to beget the sort of heifers that will make dairying pay. The better his immediate forbears, the better his progeny are likely to be. But nothing must be left to assumption. The test must be applied to the young stock under fair conditions of feeding from the time they come in, and anything inferior culled ruthlessly, discarding any heifer under 175 lbs., which is equivalent to 250 lbs. in a cow—the lowest yield which will fittingly remunerate an industrious dairyman for the work alone.

No dairyman is likely to remain very enamoured of the vocation if he has to put in the long and exacting hours of labour which it involves for a remuneration of 250 lbs. of butter-fat per cow from well-fed animals. One man's capacity for twelve hours cannot be set down at more than ten such cows. With capital costs as at present, and with butter-fat at 1s. 10d. per lb., and valuing skim milk at 3d. per gallon, this yield of butter fat represents a labour income of £132 on a one-man

farm (the same wage as a farm employee) and £186 on a two-man one, both with free dwelling. And it must be remembered that this is out on a farm where a man has not, by virtue of his location, the best of communication systems, transport, postal and telephone, the best and cheapest of lighting conveniences, the best of water and sewerage services, as well as statutory spare hours to enjoy the most popular forms of entertainment, within very easy reach of his domicile.

Some idea of what inferior cows cost an owner may be gained from the following approximate, but fair, comparison of returns from various yields:—

10 Cows (1 man's capacity).		24 Cows (2 men's capacity).	
Average Fat per Cow.	Owner's Labour Income.	Extra Cost of Labour.	Labour Income Remaining for Owner.
lbs.	£	£	£
200	86	130	76
208	*93*	*130*	*93*
250	132	130	186
300	178	130	296
350	224	130	406
400	269	130	646

The above assumes that expenditure is incurred for sufficient concentrates. It shows how doubling the yield will increase the income in much greater proportion.

The second line shown in italics is inserted to show the minimum yield necessary to pay for hired labour, and that when well-fed cows are yielding only 208 lbs. of butter fat each, all the increased return from additional numbers is absorbed by the labour of getting it. Under 208 lbs. of butter fat per cow, an owner actually loses by the larger number of cows.

It is imperative that the triers among dairy farmers be put in the way of getting a labour income at least equal to that prevailing in more congenial environment for less skilled workers, if the lure of the more congenial conditions is not to prove too strong; and it is no less imperative that the whole income accrue to him fairly, and not from the withheld wages of his overworked children. If a dairyman cannot succeed in averaging 250 lbs. of butter-fat per cow from his herd after a few years at the occupation, he lacks the energy and understanding the industry requires, and he has but to look citywards to see opportunities of better remuneration, where incompetence is not so inexorably penalized as it is on the land. If, on the other hand, he is one who can profit by the example of such men as Messrs. Hunter and Harvey, who own the two placed herds in the past season's competition, he might find that dairying will reward the efficient just as surely and effectively as it punishes the inefficient.

Both Mr. Hunter and Mr. Harvey began on the bottom rung, and are engaged in purely commercial dairying, getting their living from their cows. It is fortunate for the industry in these uncertain times that it possesses them, and others little behind them, as the herd returns further on show, who can be pointed to as getting from their cows the

handsome reward special efficiency and progressiveness deserve. These successful herd-owners recognised where the industry was weak, and set about giving it increased support where it was most lacking by adopting the best means of improving the quality of their animals, and, incidentally, the animals of the State.

Their success demonstrates the efficacy of herd testing and good feeding to make dairying profitable. The many dairymen who in these days of good remuneration elsewhere are tempted to flee from the weariness and poor recompense of dairying, with inferior cows and "dud" bulls, may yet take inspiration from this further proof that good cows do exist, at all events, in the herds of the men who test. Dairying with an ordinary grade herd offers no monetary attraction whatever, under the 250-lbs. butter-fat mark, assuming the expense of fully feeding the

Messrs. Finn Bros.' "Silvermine 16th of Banyule."

(Born 16.4.16.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
20.3.18	4,901	5·67	278·05
25.8.20	9,186	5·49	504·54

animals is incurred; and it is safe to say it will not touch that mark if the expense be not incurred. How far it is possible to exceed this yield may be seen in the herd results further on in this report.

Beset, as all the primary industries are, with falling prices but unreduced costs, the dairying industry was never in greater need of the help it can furnish to itself by testing on the farms to prove its cows, and by utilizing the Government Herd Test to insure itself better bulls with which to mate the worthy. Our spending power—what we are at present enjoying ourselves with—can, short of borrowing, only be the difference between the realizable assets we produce and what we owe. If our production does not rise to the occasion, we might quite conceivably have nothing left to spend on ourselves. We know what we owe; our negotiable assets to meet it depend on the numbers, the efficiency of method, the industriousness, and disposition to produce of the man

on the land. It rests with him whether the surplus over our debts be little or much.

The resources of dairying are not yet exhausted. One still exists in the possibilities of better cows, and another in the better feeding of what good cows we have. If we are to continue with the class of cow now preponderating, and the same lax feeding practice, the necessary increase in production to meet our increased liabilities will not receive much of a contribution from the dairying industry.

But if the farmers who can understand will only tackle the inferior cow and feeding problems, as so many of the owners in the herd test are doing, the increased remuneration will be the necessary salve to restore the industry's waning popularity, and renew the enthusiasm of

Mr. W. Henderson's "Bluebell of Warrook."
(Born 3.9.11.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
25.6.19	8,897	4·82	428·84
3.9.20	11,423	4·42	504·52

dairymen generally. It would then attract, not a more self-sacrificing, but a more capable class of man. Without a shadow of a doubt, the leading men in this year's herd test have solved both the problems, which constitute the industry's greatest handicaps. It is exaggerating the difficulties of feeding to call it a problem at all. Deficient feeding is born in either indolence or ignorance, and the will alone is sufficient to immediately remedy it. But with inferior cows, no matter how willing a man may be, a course of testing is required, and then young animals of superior breed must be reared to take their place. These young animals have in turn to be tested, and the inferior culled, which all makes for a better and better standard with each succeeding generation. Breeders in the herd test have learned, if they did not know before, how much more difficult the task of breeding a good animal is than is the question

of the feeding. Many of the herds are fed quite as well as the two placed herds (which were, of course, well fed, as all good cows should be), yet the results are not quite the same, and in some instances equally well-fed herds have relatively very inferior returns. Where the same feed and attention are given for an inferior yield, the cause lies in the animal.

It is the yield, and nothing but the yield, which must be looked to as the measure of a man's success in dairy stock breeding. The old preamble to instruction to dairy students—"*The marks of a good dairy cow are plain to all who are acquainted with them; wide between the eyes,*" &c., must be revised, and shortened to merely—"*The sign of a good dairy cow is her yield.*" If the signs of a good cow were so plain, our most practised show-point judges would have the best dairy herds. Have they? If they have, it would be safe to bet that they have something more than the breed points guiding them. Many a fancier has a name for judging who would have a very different reputation if the only judging methods which best suits such genuinely successful men as Messrs. Hunter and Harvey, were applied to the pets of his choice.

Herd testing has brought about a butter-fat average of over 400 lbs. in the two top herds in the competition, and there are fourteen herds over 300 lbs., all obtained without any departure from commercial dairying practice. Surely these are the lines all dairymen should be urged to adopt by every one who has their interests at heart, rather than to trust to the "signs" which are known to be so exceedingly fallible. Every extra pound of butter fat over an average of 250 lbs. which a dairyman gets from his cows because of their better quality is reward for managing ability as distinct from labour; under that he would fare better as an employee of some master dairyman. When a man reaches the figures attained by the top herds in the herd test, he will find it is just as good a job as a man could follow. The hope of the industry lies in one word—remuneration; and that is just what better cows mean. Herd testing, the only thing that will bring it about, has to become general—that is, dairymen all over the State must adopt it for their own well-being. Dairymen have not necessarily failed in the past because they did not test their herds, but the reason why they do not test is the same reason that explains most of the failures—want of enthusiasm and interest in the work. There is no excuse for the grumbling failure who does not test his cows. A £10 outfit and one day a month is all that is required to do it comfortably. If he cannot raise the £10 to buy the scales and tester, better he should either sell one of his cows, or buy one less, to enable himself to do so, even if he does make the very likely mistake of not selling his worst cow. Once-a-month weighing of the milk and testing a composite sample of the morning and evening milk on that day, will give a sufficiently accurate basis of computation to ascertain the fat produced in the intervening period, by multiplying the day's weight of milk by the number of days in the period and applying the test. The period's yields can be totalled at the end of the lactation to arrive at the total yield. Short-period tests are no good to determine the relative merits of the animals over the whole lactation, which is the test of merit. This work of testing herd cows to ascertain which is the most useful, so that the worthy may be retained and the duffers culled, is as much the dairyman's own responsibility as the buying of his cows or the separating of the milk.

Whether he does the work himself, as he may well do, or co-operates with numbers of his fellows to employ others to do it for him, is immaterial. Farmers would be doing well by their school-boy sons if they encouraged them to undertake this work. It is work that is worth paying for; why should not the boys be remunerated for it?

It is quite within each dairyman's power, and he gets all the profit of it. Here exists the difference between general herd testing and the Government Standard Herd Test, which many have failed to recognise. The official test is not primarily for the pure breeders who submit their herds, although incidentally it saves them the necessity of testing their own cows. It was instituted to make the right bulls available to all herds, not so much for the benefit of the testing owners as in the interests

Mr. T. Harvey's "Empress 2nd of Holmwood."
(Born 14.11.15.)

Calving Date.	Milk. lbs.	Test.	Butter Fat. lbs.
20.7.18	6,720	5·44	365·43
24.7.19	7,594	5·10	387·66
12.8.20	8,747	5·60	491·21

of the great body of dairy farmers throughout the State. The pure-bred herds are the only proper source of bulls. The only bulls which can be recommended are those of pure blood, and from high producing stock, proved by test. Not one farmer in a hundred has pure-bred stock, and must consequently go outside his own herd for a pure-bred bull. But the bull must be from proved high producing stock. How, then, is the intending purchaser to be sure of this, seeing that he is not in a position to know what were the yields of the seller's cows? The Department of Agriculture, recognising the difficulty and the need, instituted the Standard Herd Test, which is now at the service of all dairymen to guide them better on their way. They should buy the best bull their means will afford. Since the inception of the herd test, at least 730 bulls from its proved cows have by their purchase received a mission to improve the herds of the States over which they have been distributed.

Dairymen should study the records closely. The lowest and highest yield in each herd ought to satisfy them of the difference there is in cows.

Testing Associations, formed of the interested dairymen, are springing up over the State. In addition to the Colac Association, which has been in action for some time, societies have been formed also at Tarwin Lower, Yinnar, Ballendella, Callignee, Derrinallum, Girgarre, Merino Downs, and Wurt Wurt Koot, and one is under way at Cudgewa. This development is welcomed by the Department of Agriculture, and the Government is prepared to assist the movement by providing gratis the necessary stationery, cards, &c., as well as to put the experience which has been gathered from the Government Herd Test at the disposal of those conducting them. It is hoped that farmers who do not prefer to test their own cows will join up with the local association for their own and the common good. A cause promising profits far in excess of its cost should find ready converts, and certainly a convincing case can be made out for herd testing. The gain is theirs if they do, and theirs the loss if they do not. Nothing further should be necessary to induce dairymen to take it up. In any case, it must be voluntary.

A compulsory herd test is a contradiction in terms. When compulsion begins reliability ends. No tests results can be a test, or any index whatever, of a cow's butter-fat capacity, unless they have been obtained with the willing co-operation of the man in charge of her. One has only to have experience of testing cows to know how a merely careless man can make the results doubtful, or, perhaps, quite unacceptable; what a man stubbornly hostile as well as careless could do in the same direction can easily be imagined. In the voluntary Government Herd Test the supervision is no stricter than is necessary. Opportunity to "fake" in any way is precluded as far as practicable, and a strict check is kept, and, if necessary, operated; but this is not so responsible for the reliability of the published records as the fact that generally the herd-owners realize that they are upon their honour to some extent, and act as only men of honour can. They could not be so answered for if their entry was under compulsion.

Review of the Year's Work.

This year's report deals with 87 herds, in which 832 cows went through the test. The number of these which succeeded in qualifying for the Standard Certificate is 647, showing that, distributed over 87 different farms, there are that number of cows in credit with their owners.

A particularly creditable yield in view of her youth is that of "Starbright 9th," a Jersey, bred by Mr. Geo. Chirnside, and now owned by Mr. C. D. Lloyd. Her record of 582 lbs. of butter-fat (on her second calf) is the highest for the year. She has to forfeit the Annual Champion prize, however, because of not re-calving within the prescribed period. The second highest yielder, Mr. T. Harvey's "Dainty 6th," a consistently good producer, has, in turn, to forego for the same reason to Mr. T. Mesley's "Garenne 2nd," which cow wins the annual champion prize with 576.80 lbs. of butter-fat. Mr. Mesley is the owner of the highest producing heifer also, viz., "Ragtime of Warenda." All of the animals mentioned are proved to be producers, and there are numbers of good ones following them up; but "Garenne II." has it to her credit that she has only been out of milk six weeks in over four and a half years. There

can be no charge in her case that the yield is a "flash in the pan." What her production is may be seen in the figures published beneath her illustration. Mr. Hunter's "Mates 6th of Melrose," one of Mr. Woodmason's famous strain, comes next with 554.90 lbs., and, provided she re-calves in time, is the Reserve Annual Champion for the year. "Beauty IV.," owned by Mr. J. Hutchinson, completes another fine record of 543 lbs., thus exceeding the 500-lb. mark both times she has been tested. The Melrose blood again shows up well in the 541¾ lbs. of "Mermaid 4th of Melrose," another of Mr. J. Hunter's cows. Another cow which has exceeded 500 lbs. twice in succession is the Leongatha High School's "First Choice." Her 516.23 lbs. this year comes on top of a record of 506.88 lbs. last year. "Trixie of Tarnpirr," which has yielded 515.52 lbs., had a record of 457 lbs. last year on her second calf. She is another of Mr. Hunter's purchases, and was formerly a member of the herd which the Government testing made famous for the late Mr. Knight. Mr. W. Woodmason's highest yielder this year is "Jenny Lind 10th of Melrose," with 514 lbs. of fat. The yield of "Silvermine 16th of Banyule," amounting to 504.54 lbs., should satisfy Messrs. Finn Brothers with this purchase from the Banyule stud. All the above cows are Jerseys.

The Ayrshire breed had this year two cows which have exceeded the 500-lb. mark, viz., Mr. W. Henderson's "Bluebell of Warrook" and the Geelong Harbor Trust's "Maid of Sparrovale." The former was bred by Mr. W. C. Greaves, and her yield is 504.52 lbs. The latter, a native of the Harbor Trust's farm, yielded 501.14. These two yields should cheer the Ayrshire breeders, and encourage them to make more use of the help the herd test can give them towards breed improvement. They support the fact that low yields are not necessarily so much a matter of the breed as of the breeding. Last year's champion, "Rarity 8th of Melrose," yielded 503.65, and might well have reached first place again this year had she not suffered with mammitis shortly after calving, and later from a severe attack of hoven, which incapacitated her from the test for three weeks. In her, Mr. Hunter has secured an uncommonly good cow, and her performance shows again what a profitable combination is effected when the "Melrose" blood and good country are brought together. It is pleasing to record the yield of 502.05 lbs. of butter-fat to the credit of Messrs. Lyon and Kerr's prize-winning Jersey "Princess Victoria of Holmwood," one of the many fine yielders which have made "Audrey's Lord Twylish" famous as a sire, and which made his death recently so much to be regretted. We are glad to be able to publish an illustration of this old animal which sired so many dairy cows noted both for form and function. Mr. Harvey's cow, "Empress 2nd of Holmwood," which yielded 491.21 lbs. of fat in the season, is one of his daughters. Messrs. Lyon and Kerr are well represented by "Molly of Clover Flat" (another "Mabel's Chief" cow), with a yield of 499.07 lbs. of fat. Mr. C. D. Lloyd's famous old imported show champion, "Sweetbread 24th," is again to the fore as good as ever. This year's yield of 489.56 lbs. of fat adds still further to her reputation as a consistent producer. The top Friesian, "Dominion Violet Fobes," is one of Messrs. Flack and Sewell's herd, with a yield of 484.21 lbs. to her credit, and her runner-up is also a Friesian, the Department of Agriculture's "Hyacinth," which produced 479.28 lbs. Mr. A. W. Jones' Jersey, "Jubilee 15th," still holds her own by adding 474.63 lbs. of fat to her list of good yields. Although

reference cannot be made here, there are numerous other excellent competitors which could be mentioned.

Coming to the 200-lb. class, which, as stated before, was headed by the top cow of all classes, "Starbright 9th," we find "Beauty of Tarnpirr" second on the list with 475.05 lbs. This cow, now owned by Mr. A. W. Jones, is by "First Choice of Melrose," the "Pretty Noble" bull that did so much to improve the "Tarnpirr" herd, in which "Beauty" was bred. Another "Melrose" cow which Mr. Hunter secured is "turning out trumps" with him in "Peerless 13th of Melrose" which has 467.91 lbs. to her credit. She is by "Pretty Noble's" son, "Handsome Boy 5th of Melrose," as is the next cow on the list, Mr. W. Woodmason's "Rarity 10th of Melrose," with 447.58 lbs. of butter-fat. Then comes a fine young Friesian, Messrs .Dickinson Brothers' "Pauline of Ashby," with a butter-fat yield of 445.78 lbs. And so on with many more young cows in this class, which space forbids us mentioning.

The heifer class is headed by Mr. T. Mesley's "Ragtime of Warenda," another descendant of 'Pretty Noble." This young heifer, calving at twenty-nine months old, yielded 427.24 lbs. of fat. The runner-up is "Gold Bell," a heifer owned by Mr. C. Deverell, a recruit to the industry, who is to be congratulated on the early success which has attended his determination to get the right class of cow. The third placed heifer is Mr. T. Harvey's "Sparkle 3rd of Jerseyholm," with a yield of 371.40 lbs. She is another descendant of "Pretty Noble." The "Rarity" blood twice infused with that of "Pretty Noble" shows out in "Rarity 11th of Melrose, occupying the position of fifth best heifer, with the yield of 365.84 lbs. of butter fat. Mr. Hunter purchased this cow from Mr. Woodmason along with the next heifer, "Cherry 12th of Melrose," which yielded 361.95 lbs. Both heifers are by "Handsome Boy 5th of Melrose." a "Pretty Noble" bull which is responsible for a great number of good animals that appear well up in the returns. Taking the best dozen of each of the three classes—mature cows, second-calf cows, and heifers—fourteen of the thirty-six, or 39 per cent., have come through "Pretty Noble," the well-known bull imported some years ago by Mr. Woodmason, and used in the herd till his death, which occurred all too early, judging by the producing efficiency of his progeny. The reference made so far does not exhaust the names of the specially good heifers, which could be continued right down to the 300-lb mark at least.

The prize for the best herd goes to Mr. J. H. Hunter, of "Meadow Vale," Tyntynder Central, who only entered the test two years ago, but who acted on test information when purchaesing his animals. Every member of the winning herd was either a tested cow before purchase, or is from a tested dam. The whole herd comes from two breeders famous in herd-test annals, Mr. W. Woodmason and the late Mr. C. G. Knight, who produced the "Melrose" and Tarnpirr" herds respectively, and whose dispersal sales Mr. Hunter took advantage of. The latter herd owed a large proportion of its success to the former, because many of Mr. Knight's best cows came from Mr. Woodmason's bull "Pretty Noble" through "First Choice of Melrose," a 'Tarnpirr" herd-sire. "Pretty Noble' had no show successes to his credit, but he certainly had what is of more consequence, viz., prepotence in dairy quality. All but four cows in Mr. Hunter's winning herd are descended from him, as shown by the following table:—

Table Showing Pretty Noble's Influence on the Cows of the Winning Herd.

Peerless 13th of Melrose (467·91 lbs. fat)	Handsome Boy 5th of Melrose	**Pretty Noble** (imp.)	
		Handsome Girl 3rd of Melrose (418·95 lbs. fat)	
	Peerless 8th of Melrose (414·92 lbs. fat)	Mystery's Son of Melrose	
		Peerless 6th (448·15 lbs. fat)	
Chevy 12th of Melrose (361·95 lbs. fat) as heifer	Handsome Boy 5th of Melrose	**Pretty Noble** (imp.)	
		Handsome Girl 3rd of Melrose (418·95 lbs. fat)	
	Chevy 6th of Melrose (401·10 lbs. fat)	Step Out	
		Chevy 5th of Melrose	
Quality 8th of Melrose (320·11 lbs. fat) as heifer	Handsome Boy 5th of Melrose	**Pretty Noble** (imp.)	
		Handsome Girl 3rd of Melrose (418·95 lbs. fat)	
	Quality 6th of Melrose (489·99 lbs. fat)	Royal Blue	
		Quality 5th of Melrose	
Rarity 11th of Melrose (364·84 lbs. fat) as heifer	Handsome Boy 5th of Melrose	**Pretty Noble** (imp.)	
		Handsome Girl 3rd of Melrose (418·95 lbs. fat)	
	Rarity 8th of Melrose (718·58 lbs. fat)	Lady Melrose 2nd's Noble	**Pretty Noble**
		Rarity 6th of Melrose (450·57 lbs. fat)	Lady Melrose 2nd
Rarity 8th of Melrose (1919–20, 718·58 lbs. fat; 1920–21, 503·65 lbs. fat)	Lady Melrose 2nd's Noble	**Pretty Noble** (imp.)	
		Lady Melrose 2nd	
	Rarity 6th of Melrose (450·57 lbs. fat)	Wild Rover	
		Rarity 5th of Melrose (429·06 lbs. fat)	
Vixen of Tarnpirr (310·79 lbs. fat)	Amy's Choice of Tarnpirr	First Choice of Melrose	**Pretty Noble**
		Amy Castles of Tarnpirr (304·53 lbs. fat)	Carrie 5th of Melrose
	Miss Fox of Tarnpirr (421·57 lbs. fat)	Morocco's Carnation Fox	
		Arcadia (504·70 lbs. fat)	

The good influence of this bull does not end with the "Melrose," "Tarnpirr," and "Meadowvale" herds. Very many other highly profitable producers in the test this year are his progeny, although not all in the first generation.

The finish between the first and second herds was very close, as may be seen from the figures. Not until the last minute could it be known whether Mr. Hunter or Mr. Harvey had won the prize. They are both to be congratulated, and the testimony their success offers to the herd test scheme is appreciated by the staff responsible for its conduct and so deeply interested in its efficacy.

"Audrey's Lord Twylish."

Mr. Hunter joined the test too recently for a table of his progress to be of much value; but Mr. Harvey's herd has been tested long enough for a table showing the progress to almost a winning position, to be of some value.

Table Showing the Progress of Mr. T. Harvey's Jersey Herd.

Season.	Average Yield of Butter-fat.		
	Heifers.	Second Calf Cows.	Mature Cows.
1916	278·27 lbs. fat	310·15 lbs. fat	..
1917	314·73 „ „	356·53 „ „	388·41 lbs. fat
1918	282·64 „ „	346·40 „ „	393·53 „ „
1919	307·74 „ „	417·80 „ „	346·53 „ „
1920	322·32 „ „	369·86 „ „	417·78 „ „
1921	320·55 „ „	409·97 „ „	443·08 „ „

Both Messrs. Hunter and Harvey know the value of feeding. The winning herd has the run of good lucerne pasture on the Murray Flats. The cows always look in the pink of condition. Many people will scoff, and say, "Why should'nt they be?" A man who understands cows as well as Mr. Hunter would have them in the pink of condition wherever he was situated. Mr. Hunter's success is all the more praiseworthy because be organized in the Wandin district, where fruit-growing is the main industry. He is certainly on good land now, but critics must remember that good land costs more money, and the extra interest which has to be paid in consequence is not much less of a burden than the feed bill a poorer property would entail. The only great difference is that interest must be paid, while expenditure on food is optional, and that suits some of our dairymen, who prefer all expenditure to be optional, and, instead, sneer, "I could do it, too, if I had lucerne flats." This boast is valueless, and should be accepted as equivalent to "I could do it, too, if I fed my cows." Mr. Hunter's cows got well fed with food which happened to be mostly lucerne, but that lucerne was not available without money being spent, and, whatever it was, the cows gave a long way more in return. The concentrates used during the lactation were of mixed materials, consisting of bran, crushed barley, crushed oats, and ground linseed oil-cake just up to the cow's milking requirements. The herd test has grown to contain 102 herds, and the rate of entry is all the time tending upwards. The new herds entered during the twelve months from 1st July, 1920, to 30th June, 1921, numbered 33. The breeds of these and the name of the owner in each case are indicated below:—

Jersey.

Mrs. I. M. Akehurst, Malvern.
Mr. R. C. Campbell, Clarendon.
Mr. J. Colman, Kerang.
Mr. O. Cutler, Longwarry South.
Mr. C. Deverell, Wangaratta.
Mr. R. Faragher, Koroit.
Mr. A. E. Haughton, Heidelberg.
Dr. J. L. Henderson, Wangaratta.
Mr. C. W. W. Macauley, Rochester.
Mr. R. Maher, Tongala.
Mr. D. C. Miller, Agnes.
Mr. J. Phillips, Murraydale.
Messrs. J. and E. N. Phillips, Korumburra.
Mr. T. F. Trevaskis, Tongala.
Mr. W. M. Vale, Yarram.
Mr. A. L. N. Walter, Little River.
Mr. M. J. Wood, Moyhu.

Ayrshire.

Mr. J. Benallack, Elliminyt.
Mr. H. D. W. Canobio, Tatura.
Mr. M. Galbraith, Tyers.
Mr. N. Gange, Mininera.
Mr. D. T. Griffiths, Inverleigh.
Mr. R. Hall, Sale.
Mr. G. Keys, Hallam.
Mr. E. Payne, Wangaratta.
Mr. H. Perdriau, Werribee.
Mr. C. Rigby, Lower Ferntree Gully.
Mr. G. Vallance, Bacchus Marsh.

Friesian.

Messrs. Kerr Bros., Boisdale.
Mr. J. Platfuss, Tongala.
Mr. J. T. Tweddle, Sunbury.

Red Poll.

Mrs. E. Lithgow, Bacchus Marsh.
Hon. T. H. Payne.

STANDARD COW PRIZES.

The following prizes were offered by the Government for the year ended 30th June, 1921. The prizes will be awarded through the Royal Agricultural Society:—

1. *Grand Champion Cow*—under Herd Test Regulations.

   A grand champion prize of £100, as a trophy or cash, for maintaining the position of annual champion for three years, not necessarily in succession. Not yet allotted.

2. *Annual Champion Cow*—under Herd Test Regulations.

   A prize of £10, to be awarded to the cow which, during a lactation period terminating within a year ending on 30th June, gives the greatest amount of butter-fat under the herd testing regulations of this Department.

   Won by "**Garenne 2nd**"; owner, T. Mesley.

3. *Reserve Annual Champion*—under Herd Test Regulations.

   A prize of £5 per annum to be awarded to the cow attaining second place under the herd testing regulations of the Department during the year ended 30th June.

   Won by "**Mates 6th of Melrose**"; owner, J. H. Hunter.

   These prizes to be awarded conditionally upon the winning cow being exhibited at the next Royal Agricultural Show. In the event of the death of the winning cow prior to such Show, the owner to exhibit his next best cow.

4. *Best Herd*—under Herd Testing Regulations.

   A first prize of £20 and a second prize of £10 to be awarded to the herds giving the greatest average returns under the herd testing regulations of this Department and complying with the following conditions:—

   (1) Minimum number of cows (completing the test during the year) in a herd, 10.

   (2) Such herd to average not less than 300 lbs. of butter-fat.

   (*a*) Handicaps to be allowed on the following scale:—

   i. A herd of more than 10 cows to receive a handicap of ½ lb. of butter fat for each cow.

   ii. Cows entered under regulation 11*a* to receive a handicap of 75 lbs. of butter fat.

   iii. Cows entered under regulation 11 *b* and *c* to receive a handicap of 50 lbs. of butter-fat.

   The prizes to be allotted for the year ending 30th June, and the three best cows in the winning herd to be exhibited at the next Royal Agricultural Show.

   First prize won by the "**Meadow Vale**" Herd; owner, Mr. J. H. Hunter.

   Second prize won by the "**Jerseyholm**" Herd; owner, Mr. T. Harvey.

No cow competing for any prize shall be milked more than twice a day, and must re-calve within fifteen months from her previous calving date.

RETURN OF CERTIFICATED COWS FOR YEAR ENDED 30th JUNE, 1921.

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
Mrs. F. M. Akehurst, East Caulfield	1	1	Jersey ..	Glenida	4954	14.9.20	273	10	5,678	5·59	317·54	250	362	
Mrs. M. I. Alston, Cobram	4	4	Jersey ..	Pidgeon of Kameruka	6035	18.5.20	273	12½	6,821	5·22	355·83	200	405¾	
				Silver Bell of Kameruka	6038	25.5.20	233*	21½	6,580	5·81	382·54	250	436	
				Annie G. of Tarnpirr	6022	3.9.20	273	13	5,274	5·38	283·76	250	323½	
				Regina of Tarnpirr	Not yet allotted	5.9.20	273	13	4,168	6·06	252·75	175	288¼	
W. K. Atkinson, Swan Hill	10	9	Shorthorn	Pearl of Willow Park	10266	28.9.19	273	24½	9,047	3·63	328·12	175	374	
				Blanche Rose 10th	10892	21.10.19	273	24	11,771	3·51	422·93	250	482½	
				Duchess of Willow Park	9429	5.11.19	273	23½	8,510	3·77	320·59	175	365½	
				Cherry 5th	10893	18.11.19	273	11½	6,927	3·89	269·45	250	307¼	
				Morven Queenie 9th	10896	24.7.20	273	17	8,553	4·12	352·33	250	401¾	
				Countess of Willow Park ..	9250	20.8.20	273	18½	6,144	4·30	264·42	175	301½	
				Queenie of Willow Park	10451	22.8.20	273	17½	6,631	4·08	270·25	175	308	
				Daphne 13th	10895	18.9.20	273	23	9,547	3·48	332·60	250	379½	
				Pearl of Willow Park	10266	21.9.20	273	23½	10,429	3·77	393·31	200	448¼	
C. Bamford, Benalla	21	14	Ayrshire	Pansie of Medburn Grove ..	4860	9.10.19	273	7½	7,178	4·45	319·26	175	364	
				Lupin of Medburn Grove ..	4859	6.2.20	273	20	4,761	4·23	201.20	175	229¼	
				Babe of Medburn Grove	Not yet allotted	22.3.20	272	16½	6,923	4·09	283·11	200	322¾	Bad after calving
				Beauty of Medburn Grove ..	4858	11.4.20	273	13½	5,630	4·63	260·85	175	297¼	
				Fancy of Medburn Grove ..	6109	16.7.20	273	10½	7,502	3·73	279·79	250	319	
				Last Rose of Medburn Grove ..	Not yet allotted	26.7.20	273	7	5,981	4·60	275·27	200	313¾	
				Trixie of Medburn Grove ..	7005	3.8.20	273	11	5,087	4·84	246·41	175	280¾	
				Tulip of Medburn Grove	Not yet allotted	12.8.20	273	11½	5,888	4·22	248·63	175	283½	
				Pearl of Medburn Grove ..	3303	13.8.20	243	4	6,323	396	250·97	250	286	
				Starlight of Wethersdan ..	3305	19.8.20	263†	11	8,452	4·02	339·87	250	387½	
				Gladsome of Medburn Grove ..	6110	20.8.20	273	10	6,396	4·32	276·47	250	315½	
				Treasure of Medburn Grove ..	Not yet allotted	4.9.20	273	16½	5,565	4·31	239·96	175	273½	Bad after calving
				Pansie of Medburn Grove ..	4860	13.9.20	273	17	8,712	3·88	338·26	200	385½	
				Madge of Medburn Grove ..	6112	16.9.20	224†	5½	7,283	4·02	292·72	250	333¾	

* Withdrawn owing to premature calving.

† Withdrawn before completion of term.

CERTIFICATED COWS – *continued.*

Owner.	No. completed Test.	No. Certified.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
Mrs. I. Beard, Outtrim	4	4	Jersey ..	Camellia of Springhurst	6,200	25.2.20	273	16	4,088	5·57	227·82	200	259¾	
				Shadow of Luscombe	6143	15.3.20	273	14½	5,724	5·61	322·69	250	367½	
				Banksia of Springhurst	5387	20.3.20	273	18½	4,932	5·60	276·45	250	315	
				Fairy Belle of Warenda	5241	5.9.20	273	7½	6,523	6·05	394·65	250	450	
F. W. Beischer, Bendigo	3	2	Jersey ..	Bonnie 6th of Waverdale.. ..	Not yet allotted.	1.12.19	273	10½	3,797	6·92	262·87	175	299¾	
				Daisy of Bignold	,,	9.9.20	273	9	4,157	4·65	193·13	175	220¼	
F. Bidgood, Staghorn	9	8	Jersey ..	Butter Queen of Staghorn ..	5591	16 9.19	273	5	3,262	5·90	192·59	175	219½	
				Miss Twilight	4606	26.4.20	273	18½	6,163	5·46	336·75	250	384	
				Pansy 7th of Kyora	Not yet allotted	14.7.20	273	15	7,388	4·78	352·83	250	402¼	
				Fox's Clementine 2nd	4721	25.7.20	273	15	6,362	5·39	342·64	250	390½	
				Werribee Northern Larkspur 2nd ..	Not yet allotted	24.8.20	273	10	5,212	5·46	284·45	250	324¼	
				Bluebell 2nd of Werribee ..	4604	9.9.20	273	13	5,384	5·89	316·93	250	361¼	
				Lotus Lily 2nd of Staghorn ..	5593	16.9.20	273	10½	3,889	5·45	211·99	200	241¾	
				Lucy of Staghorn	Not yet allotted	24.9.20	273	14	5,715	5·01	286·41	250	326½	
Mrs. A. Black, Noorat	10	6	Jersey ..	Noorat Sheila 6th (late Sheila 1st)..	Not yet allotted	14.10.19	273	11	3,627	5·01	181·92	175	207½	
				Noorat Grey Girl 3rd	,,	27.10.19	273	9	5,111	5·06	258·82	175	295	
				Madge	3575	26.2.20	273	18½	6,444	5·17	333·05	250	379¾	
				Mona's Pearl	3577	5.3.20	273	20½	7,022	4·79	336·65	250	383¾	
				Marguerite 2nd	Not yet allotted	6.4.20	273	10½	7,689	4·64	356·51	200	406½	
				Noorat Flashlight 2nd	6411	22.8.20	273	5	3,928	5·66	222·19	175	253¼	
Callery Bros., Bannockburn	11	9	Ayrshire	Mountain Queen of Langley Park ..	4952	8.10.19	260	4	3,798	4·82	182·93	175	208½	
				Roseleaf of Langley Park ..	4953	21.3.20	273	13½	6,316	4·52	285·36	175	325¼	
				Marjorie of Langley Park ..	2839	9.4.20	273	33½	9,713	4·54	441·31	250	503	
				Mountain Princess of Langley Park	3480	25.6.20	273	7½	6,014	4·49	270·22	200	308	
				Empress of Langley Park ..	6178	2.7.20	273	16	5,848	4·55	266·21	175	303½	
				Alma of Langley Park	3477	25.7.20	273	12½	8,662	4·04	350·04	250	399	
				Queenie of Langley Park ..	6184	25.8.20	273	14	4,891	4·85	237·26	175	270½	
				Geranium of Langley Park ..	6180	10.9.20	230	4	5,049	4·31	217·61	200	248	
				Snowflake of Rythdale	2842	19.9.20	248	4	8,219	4·20	345·79	250	394½	

CERTIFICATED COWS—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
Mrs. M. E. Carroll, Tyntynder Central	3	2	Red Poll	Cambria	Not yet allotted	12.11.19	245	4	4,589	4·36	200·23	175	228½	
				Scotia	,,	22.11.19	235	4	7,854	3·76	295·49	250	336¾	
Dr. S. S. Cameron, Hawthorn	1	1	Jersey ..	Proud Lassie of Yarrabrae ..	6527	16.8.20	273	6½	5,125	5·21	266·82	200	304¼	
H. D. W. Canobio, Tatura	1	1	Ayrshire	Jessie's Pride of Bundara ..	4263	6.9.20	273	14½	9,608	3·98	382·93	250	436½	
J. N. Cochrane, Moorabbin	10	7	Ayrshire	Rosleaf of View Point	4975	15.11.19	273	8	7,306	4·12	301·19	250	343¼	
				Myrtle of Springfield	4974	26.2.20	273	16½	6,791	4·81	326·68	200	372¼	
				Rita of Springfield	6241	30.3.20	221	4	4,024	4·76	191·75	175	218½	
				Bud 2nd of Glengowrie	3850	20.4.20	269	4	5,437	4·71	256·23	250	292	
				Morea of Seafield	6237	22.7.20	273	8½	7,802	4·41	344·28	250	392¼	
				Gwendoline of View Point ..	4969	1.8.20	273	4½	7,405	4·43	327·96	250	373¾	
				Heatherbelle of Springfield ..	4970	6.9.20	273	22	9,566	4·06	388·50	250	442¾	
J. Colman, Kerang	1	Nil	Jersey											
Department of Agriculture	35	30	Red Poll	Latakia	Not yet allotted	4.10.19	273	4	10,052	4·61	463·05	250	527¾	
				Ontario	,,	14.10.19	273	10	8,893	4·07	361·99	250	412¾	
				Tonga	,,	17.10.19	273	16½	9,986	4·24	423·83	250	483¼	
				Laodicia	,,	31.10.19	273	15½	4,906	4·32	212·05	175	241¾	
				Nickahoe	,,	8.11.19	273	6	7,275	4·57	332·78	250	379½	
				Sylvina	,,	10.11.19	178*	19½	4,607	4·53	208·91	175	238	
				Velour	,,	6.12.19	273	15	5,511	4·24	233·75	175	266½	
				Netherlana	,,	15.12.19	273	17½	7,480	4·01	300·25	250	342¼	
				Briar	,,	20.12.19	273	12	8,175	4·45	364·00	250	415	
				Evac	,,	24.12.19	273	12	4,679	5·23	244·95	175	279½	
				Hookah	,,	14.1.20	273	13	6,383	3·80	243·59	200	277¾	

Department of Agriculture's Herd result continued on next page.

* Sold before completion of term.

CERTIFICATED COWS—*continued.*

Owner.	No completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs	lbs		lbs	lbs	lbs	
Department of Agriculture—*continued.*	..	..	Red Poll	Dominion	Not yet allotted	26.1.20	273	17½	4,229	4·46	188·48	175	214¾	
				Epaulette	,,	2.2.20	273	16	5,484	5·06	277·40	200	316¼	
				Toronto	..	26.2.20	273	18½	4,716	4·46	210·21	175	239½	
				Queen Elizabeth	..	28.2.20	273	13	6,600	4·54	299·51	250	341½	
				Violation	..	20.3.20	273	20½	6,804	4·55	309·72	200	353	
				U.S.A.	..	26.4.20	245	4	4,161	4·85	201·87	175	230	
				Bramble	..	26.4.20	273	23½	7,744	4·18	323·82	200	369¼	
				Panama	..	18.5.20	273	15½	7,944	4·00	317·53	250	362	
				Morocco	..	9.6.20	254	4	8,138	3·46	282·19	250	321¾	
				La Reina	..	14.7.20	273	12	7,243	4·41	319·37	250	364	
				Ornitha	..	15.7.20	273	13½	4,213	4·03	207·78	175	236¼	
				Ottawa	..	24.7.20	273	12½	8,155	3·64	296·64	200	338¼	
				Nictitana	..	4.8.20	273	21	8,138	4·69	381·37	250	434⅜	
				Goldlace	..	8.8.20	273	17½	8,790	4·22	370·69	250	422½	
				Avesia	..	10.8.20	273	16	7,648	3·97	303·83	250	346¼	
				Cutty	..	18.8.20	273	12½	10,274	4·30	441·28	250	503	
				Eureka	..	21.8.20	273	7	4,186	4·59	191·96	175	218¾	
				Latakia	..	17.9.20	273	15	10,233	4·49	459·63	250	524	
				Iris	..	22.9.20	273	9	7,861	4·28	336·53	250	383⅜	
,, ..	3	3	Friesian	Woodnymph	..	18.11.19	273	21½	10,598	3·11	328·71	200	374⅜	
				Dominion Proud Lassie ..	..	20.11.19	273	27	11,013	3·46	380·65	250	434	
				Hyacinth	,,	1.12.19	273	31	11,512	4·08	479·28	250	546¼	
,, ..	1	1	Jersey ..	Collingwood Beauty	..	11.3.20	273	16½	5,222	6·84	357·49	200	407½	
C. Deverell, Wangaratta	2	2	Jersey ..	Ixia of Springhurst	5397	9.6.20	273	22	6,749	4·86	327·99	200	374	
				Gold Bell	Not yet allotted	14.8.20	273	29	8,401	4·91	412·73	175	470½	
Dickinson Bros., Sebastopol	4	4	Friesian	Phœbe of Ashby	Not yet allotted	7.8.20	273	27	9,030	3·50	316·17	200	360½	
				Phyllis of Ashby	,,	12.8.20	273	20	11,991	3·45	413·46	250	471¼	
				Maggie of Ashby	..	14.8.20	273	26	8,793	3·68	323·42	200	368¾	
				Pauline of Ashby	,,	31.8.20	273	41	13,755	3·24	445·78	200	508½	

CERTIFICATED COWS—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
T. Douglas, Ballarat	4	2	Ayrshire	Greatness of Roxburgh	5125	3.10.19	239	4	6,075	4·35	264·09	250	301	
				Good News 2nd of Roxburgh ..	5124	12.9.20	273	9	9,141	4·71	430·66	250	491	
C. Falkenberg, Elliminyt	8	5	Jersey ..	Trixie of Colac	4914	6.4.20	273	13½	5,494	5·47	300·64	250	342¾	
				Doris 2nd of Kingsvale	4025	3.5.20	273	16½	5,685	5·23	297·18	250	338¾	
				Lady Merlin of Colac	5890	24.7.20	273	7½	4,929	5·70	280·83	250	320¼	
				Annie of Taringa	4023	4.8.20	273	9	6,238	5·24	326·85	250	372½	
				Hope 5th	2899	24.8.20	273	15½	7,253	5·13	372·13	250	424¼	
Finn Bros., Port Fairy	6	6	Jersey ..	Princess Royal of Springhurst ..	5403	1.7.20	273	24	6,983	6·03	421·39	250	480½	
				Seaweed of Springhurst	6208	5.7.20	273	8	4,905	5·87	288·05	200	328½	
				Science of Springhurst	6207	26.7.20	273	8	4,930	5·81	286·47	200	326¼	
				Escape of Murndal	Not yet allotted	4.8.20	273	16	7,284	5·07	369·16	250	420¾	
				Silvermine 16th of Banyule ..	5222	25.8.20	273	29	9,186	5·49	504·54	250	575¼	
				Tulip 2nd of Meridale	Not yet allotted	20.9.20	273	25½	6,163	4·95	305·32	175	348	
Flack and Sewell, Berwick	20	18	Friesian	Dominion Iona	Not yet allotted	26.10.19	273	9	6,583	3·42	224·91	200	256½	
				Dominion Violet Fobes	,,	8.11.19	273	22	8,400	3·66	307·79	250	351	
				Dominion Flower 2nd	,,	24.11.19	233*	4	5,584	3·86	215·65	200	245¾	
				Holland Lass 2nd of Berry ..	,,	26.11.19	273	9	5,196	3·93	204·20	200	232¾	
				Dominion Cora	,,	19.12.19	273	4	7,064	3·81	268·89	200	306½	
				Miss Muller 2nd of Berry ..	224	22.3.20	273	23	9,366	3·90	365·29	200	416½	
				Bainfield No. 40 (imp.)	Not yet allotted	24.4.20	273	33	8,667	3·54	306·68	175	349½	
				Leonora Canary (imp.)	,,	10.5.20	273	23	7,638	4·49	342·91	175	390¾	
				Dutch Girl 2nd of Berry	,,	1.8.20	273	16	8,046	4·06	327·06	200	372¼	
				Duchess of Hanover 2nd of Berry	,,	10.8.20	273	15	6,354	4·00	254·52	175	290¼	
				Dominion Queen Mercedes ..	,,	12.8.20	227†	25½	9,063	3·64	330·23	200	376½	
				Dominion Fobes of Yarra Brae ..	,,	13.8.20	273	22⅔	8,059	3·49	281·36	175	320¾	
				Dominion Flower Queen	,,	30.8.20	273	6⅔	9,289	3·59	333·40	250	380	
				Dominion Fayne Segis	,,	6.9.20	273	5⅔	8,707	3·58	311.38	200	355	
				Springfield de Kol	,,	15.9.20	273	20	8,504	4·17	354.62	175	404¼	
				Prim Patch of Yarra Brae ..	,,	18.9.20	273	22½	7,074	3·45	243·98	175	278¼	
				Dominion Violet Fobes	,,	18.9.20	273	38	13,305	3·64	484·21	250	552	
				Dominion Iona	,,	21.9.20	273	18½	12,148	2·97	361·34	250	412	

* Withdrawn owing to sickness. † Calved prematurely.

CERTIFICATED COWS—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
												lbs.	lbs.	
Mrs. M. and W. A. Francis, Kilcunda	2	2	Ayrshire	Elena of Seafield	4967	20.9.19	273	14	5,123	4·53	231·94	175	264½	
				Red Rose of Fernhill	6349	19.2.20	273	16½	6,155	4·17	256·92	250	292¾	
M. Galbraith, Tyers	1	Nil	Ayrshire											
G. Gange, Mininera	5	3	Ayrshire	Eva of Glencairn	4410	3.7.20	264	4	6,306	4·57	287·91	250	328½	
				Sarah of Glen Alvie	4183	18.7.20	249	4	7,471	4·96	371·10	250	423	
				Westeria of Kelvin Grove ..	3298	18.7.20	273	11½	6,220	4·83	300·20	175	342¼	
Geelong Harbor Trust	22	22	Ayrshire	Beatrice of Sparrovale	3882	30.10.19	261	4	6,811	3·71	253·05	200	288½	
				Meadow Sweet of Sparrovale ..	3903	31.10.19	273	9½	7,038	4·49	316·37	200	360¾	
				Melba of Sparrovale	3904	3.12.19	273	15½	5,733	4·61	264·25	175	301¼	
				Daisy of Sparrovale	3888	18.12.19	273	16½	6,421	4·93	316·71	200	361	
				Floss of Sparrovale	3892	19.12.19	273	20	5,570	4·24	236·71	175	269¼	
				Flora of Sparrovale	3891	23.12.19	273	7½	6,011	5·11	307·23	250	350½	
				Rose of Sparrovale	3906	24.12.19	273	26	9,181	4·71	432·88	250	493¼	
				Myrtle of Sparrovale	3905	8.1.20	273	19½	5,260	4·48	235·52	175	268½	
				Primrose of Sparrovale	6359	12.1.20	273	19	4,198	4·75	199·42	175	227½	
				Belle of Sparrovale	3883	22.1.20	273	5	6,060	4·74	287·35	250	327½	
				Duchess of Sparrovale	3889	28.1.20	273	8½	6,795	4·06	274·82	200	313¼	
				Gipsy Girl of Sparrovale	3894	16.4.20	273	10½	6,581	4·69	308·55	250	351¾	
				Maid of Sparrovale	3900	4.7.20	273	27½	11,366	4·41	501·14	250	571½	
				Frolic of Sparrovale	2874	14.7.20	273	22	9,196	4·23	389·10	250	443½	
				Sybil of Sparrovale	3907	20.7.20	273	17½	7,682	4·61	353·95	200	403½	
				Viola of Sparrovale	3908	27.7.20	273	26½	7,788	4·51	351·55	175	400¾	
				Clover of Sparrovale	2872	14.8.20	273	17½	8,105	4·83	391·45	250	446½	
				Gipsy of Sparrovale	6354	23.8.20	273	13½	6,600	4·60	303·99	175	346½	
				Flower of Sparrovale	3893	24.8.20	273	10	7,501	4·79	359·64	250	410	
				May of Sparrovale	3902	9·9·20	273	5½	6,489	4·24	275·63	250	314¼	
				Bluebell of Sparrovale	3886	9.9.20	273	14	8,110	4·16	337·54	250	384¾	
				Maisie of Sparrovale	3901	11.9.20	273	14½	7,803	4·38	342·34	200	390¼	
H. S. Gibson, Murraydale	3	2	Ayrshire	Gentle of Evergreen	6361	3.11.19	238*	13	7,183	4·35	312·34	250	356	
				Cockey of Evergreen	6360	23.8.20	272	16½	8,820	3·56	314·46	250	358½	

* Withdrawn before completion of term.

CERTIFICATED COWS—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
W. C. Greaves, Monomeith	8	8	Ayrshire	Leila of Warrook	5173	1.10.19	273	8½	6,656	5·01	333·69	200	380½	
				Fairy of Warrook	5170	3.10.19	273	14	6,701	4·76	319·28	200	364	
				Fashion of Warrook	5171	„	273	14	5,947	5·36	318·59	200	363¼	
				Fuchsia of Warrook	2544	6.10.19	273	23	9,544	4·39	418·63	250	477¼	
				Verona of Warrook	5174	9.10.19	273	17	7,843	4·22	330·90	250	377¼	
				Verbena of Warrook	Not yet allotted	27.11.19	273	23½	7,099	4·44	315·04	175	359¼	
				Letty 2nd of Warrook	6377	1.2.20	273	21	6,489	4·56	295·99	175	337¼	
				Leila of Warrook	5173	21.9.20	273	15	6,841	4·88	333·87	250	380½	
R. Hall, Sale ..	1	1	Ayrshire	Viola of Dunachton	5200	5.9.20	273	12½	5,604	3·46	194·08	175	221¼	
T. Harvey, Boisdale	12	12	Jersey ..	Daisy 5th of Holmwood	4978	17.10.19	273	7½	6,065	4·59	278·21	250	317¼	
				Blue Bell 2nd of Jerseyholm ..	6845	20.3.20	273	20	5,903	4·83	285·07	175	325	
				Kirsty 8th of Jerseyholm ..	6846	23.3.20	273	19	5,962	5·12	305·18	175	347¾	
				Dainty 6th	4099	29.3.20	273	40	11,033	5·27	581·49	250	662¼	
				Lady Marge of Jerseyholm ..	4981	12.6.20	273	17	7,576	0·10	462·05	250	526¼	
				Kirsty 7th of Jerseyholm ..	5918	22.6.20	273	12	6,808	5·88	400·48	200	456½	
				Sparkle 3rd of Jerseyholm ..	6847	1.7.20	273	17½	6092	6·10	371·40	175	423½	
				Sparkle 2nd of Jerseyholm ..	5920	4.7.20	273	18½	6,283	6·60	414·88	200	473	
				Kirsty 5th	4100	7.7.20	273	21½	7,435	5·84	434·24	250	495	
				Daisy 6th of Jerseyholm	5917	28.7.20	273	23	7,600	5·45	414·56	200	472½	
				Blue Bell of Jerseyholm	5916	28.7.20	273	18	6,817	6·03	411·32	250	468¾	
				Empress 2nd of Holmwood ..	4979	12.8.20	273	19½	8,747	5·60	491·21	250	560	
W. Henderson, Grasmere	87	24	Ayrshire	Lucy of Carracoorte	Not yet allotted	9.2.20	273	24½	5,201	3·97	206·61	175	235½	
				Gertie of Warrook	3986	4.5.20	273	5	5,686	4·86	276·38	250	315	
				Mayflower of Carracoorte ..	Not yet allotted	26.6.20	273	4	6,704	3·86	258·70	175	294¾	
				Iris 2nd of Carracoorte	„	28.7.20	273	10½	7,115	4·29	304·99	200	347¾	
				Iris of Carracoorte	„	6.8.20	273	15	7,475	3·68	274·95	250	313½	
				Gertie of Carracoorte	3985	7.8.20	231	4	4,901	5·16	253·04	250	288¾	
				Viola 5th	4004	8.8.20	273	7	6,039	4·24	256·33	250	292¼	

W. Henderson's herd results continued on next page

CERTIFICATED COWS—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
W. Henderson, Grassmere—*continued.*	87	24	Ayrshire	Buttercup of Warrook	2539	9.8.20	267	4	7,400	4·15	307·01	250	350	
				Lena of Carracoorte	3991	13.8.20	273	11	6,416	4·51	289·48	250	330	
				Thelma of Carracoorte .. .	4002	17.8.20	258	4	7,005	3·94	276·61	250	315¼	
				Floss 2nd of Carracoorte	3982	10.8.20	247	4	11,023	3·68	405·78	250	462½	
				Rosetta of Carracoorte	Not yet allotted	19·8·20	273	7	5,422	4·32	234·07	200	266¾	
				Mayflower of Seafield	„	22.8.20	273	4½	7,370	3·81	280·87	250	320¼	
				Ada 2nd of Carracoorte	„	24.8.20	240	4	5,409	4·45	240·57	175	285¾	
				Gertie 3rd of Carracoorte.. ..	„	26.8.20	273	5	4,324	5·12	221·35	175	252½	
				Lizzie 2nd of Warrook	3994	26.8.20	273	4	5,439	4·67	254·08	250	289¾	
				Laura of Carracoorte	3989	28.8.20	261	4	6,391	4·00	255·86	250	291⅝	
				Blue Bell of Warrook	2903	3.9.20	273	12½	11,423	4·42	504·52	250	575¼	
				Fillpail of Carracoorte	3980	8·9·20	273	10	7,817	4·15	324·32	250	369¾	
				Betsy 2nd of Carracoorte ..	3969	9.9.20	221	4	6,254	4·29	268·11	250	305¼	
				Balm 2nd of Carracoorte.. ..	Not yet allotted	10.9.20	220	4	5,054	4·09	206·53	175	235⅜	
				Berry of Warrook	2901	11.9.20	189	4	5,450	4·63	252·28	250	287½	
				Rosebloom of Carracoorte ..	Not yet allotted	17·9·20	233	4	6,207	4·28	265·85	250	303	
				Helena of Carracoorte	„	17·9·20	273	10	6,608	4·18	276·35	175	315	
J. H. Hunter, Tynetynder Central	10	10	Jersey ..	Peerless 13th of Melrose	Not yet allotted	28.9.19	273	15	8,744	5·35	467·91	200	533½	
				Tiny of Tarnpirr	5172	25.12.19	273	15	5,788	6·16	357·01	250	407	
				Chevy 12th of Melrose	Not yet allotted	9.1.20	273	18	5,954	6·08	361·95	175	412½	
				Quality 8th of Melrose	„	24.1.20	273	21	5,504	5·81	320·11	175	365	
				Rarity 11th of Melrose	„	25.1.20	273	20½	6,479	5·63	364·84	175	416	
				Ringtail of Tarnpirr	5170	21.5.20	273	16	6,595	5·36	352·89	250	402½	
				Trixie of Tarnpirr	5173	22.5.20	273	23	8,505	6·06	515·52	250	587¾	
				Rarity 8th of Melrose	5560	7.8.20	273	29	9,441	5·33	503·65	250	574¼	
				Vixen of Tarnpirr	Not yet allotted	30.8.20	273	18½	5,987	5·19	310·79	175	354¼	
				Mates 6th of Melrose	6306	18.9.20	273	33½	11,866	4·68	554·90	250	632½	
J. Hutchinson	4	4	Jersey ..	Thana of Somerville	Not yet allotted	23.2·20	273	21	5,965	6·02	359·12	175	409½	
				Cloudy of Somerville	„	23.3.20	273	23	6,651	5·60	372·36	200	424½	
				Audrey of Somerville	5946	3.7.20	273	25½	8,142	5·22	424·78	250	484½	
				Beauty 4th of Somerville .	Not yet allotted	26.7.20	273	30½	10,536	5·15	543·22	250	619½	

Certificated Cows - *continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
A. Jackson, Glen Forbes	4	4	Jersey ..	Creamy of Lesterfield	Not yet allotted	3.5.20	273	16	6,261	4·50	282·07	250	321½	
				Canary of Listerfield	,,	27.5.20	273	7	4,588	5·44	249·79	200	248¾	
				Flossie of Kelburn	,,	15.8.20	269*	6½	3,635	5·98	217·33	200	247½	
				Graceful Countess of Lesterfield ..	..	5.9.20	273	5	5,378	6·33	340·25	250	387¾	
S. A. Johnson, Woodend	7	6	Ayrshire	Bountiful of Roxburgh	Not yet allotted	28.9.19	259	4	5,265	4·82	253·81	250	289¼	
				Brown Bess of La Motte ..	5254	11.10.19	273	12½	5,218	4·72	246·72	175	281¼	
				Bountiful of La Motte	5253	25.11.19	273	10½	7,619	4·34	332·33	250	378½	
				Joan of La Motte	5257	2.12.19	249	4	6,597	4·00	264·23	250	301½	
				Jessamine of La Motte	5256	14.12.19	273	21	5,675	4·49	255·07	175	290¼	
				Molline of La Motte	5259	1.4.20	273	14½	6,021	5.13	309·02	200	352½	
A. W. Jones, Whittington, Geelong	17	17	Friesian	Bolobek Rose	Not yet allotted	19.4.19	244*	20½	10,048	4·21	423·07	200	482¼	
				Princess Royal	,,	25.10.19	273	13½	11,422	3·60	410·82	250	468¼	
				St. Alban's Lady	360	30.11.19	273	23	6,725	4·15	279·45	175	318½	
				St. Alban's Gem	358	13.12.19	273	33½	9,138	3·42	312·17	175	355½	
				Norah's Pearl	363	4.2.20	273	22	7,860	3·61	284·03	200	323¾	
				Melba	Not yet allotted	6.2.20	273	21½	9,308	3·93	365·80	200	417	
				Bolobek Brenda	,,	21.2.20	273	25½	9,603	3·76	361·62	200	412½	
				Queen Betty	,,	6.3.20	273	20½	8,115	3·79	307·70	200	350¾	
				Bolobek Rose	,,	13.3.20	272*	33½	11,148	4·03	448·81	250	511¼	
				Bolobek Bess	,,	15.3.20	272*	16½	9,913	4·28	424·32	250	483¾	
				Beauty of Craigneil	,,	13.6.20	252	22	7,398	3·60	266·07	175	303½	
				Her Royal Highness	,,	8.8.20	273	35	12,624	3·13	395·56	200	451	
				Cordyline Hazel	3766	29.8.20	273	19½	7,522	4·06	305·38	175	348¼	
				Stately of Craigneil	Not yet allotted	18.9.20	273	24½	7,778	3·53	274·39	175	312¼	
A. W. Jones' herd results continued on next page.				Daffodil Mercena	,,	22.9.20	273	28	8,720	3·74	326·27	175	372	
				Tulip Flower	,,	24.9.20	273	30½	9,452	3·26	308·39	175	351½	
				Ransome of Craigneil	,,	24.9.20	273	22½	9,605	3·31	318·33	175	363	

* Withdrawn before completion of term.

CERTIFICATED COWS—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
A. W. Jones, Whittington, Geelong—*continued.*	15	14	Jersey ..	Lady Grey 8th of St. Albans ..	4187	6.11.19	273	21¼	8,362	4·85	405·50	250	462½	
				Lady Grey 9th of St. Albans ..	Not yet allotted	11.12.19	273	12½	4,329	5·96	258·23	175	294½	
				Lady Grey 10th of St. Albans ..	„	26.11.19	254	10	3,789	5·40	204·45	175	233	Withdrawn before completion of term
				Lady Grey 5th of St. Albans ..	5058	6.1.20	263	16½	4,813	5·60	269·60	250	307¼	„
				Peeress of St. Albans	Not yet allotted	4.2.20	273	13	4,313	5·37	231·73	175	264¼	
				Jubilee 15th	5056	5.2.20	273	26	8,729	5·44	474·63	250	541	
				Fairy Queen 2nd of St. Albans ..	Not yet allotted	13.2.20	273	11½	3,873	5·57	215·69	175	245¾	
				Bell of St. Albans	„	19.2.20	273	8½	3,887	4·76	185·18	175	211	
				Beautie of Tarnpirr	6023	20.2.20	273	17	6,806	6·98	475·05	200	541½	
				Mermaid 4th of Melrose	6307	31.3.20	273	24½	8,599	6·30	541·76	250	617½	
				Lady Grey 1st of St. Albans ..	4186	17.6.20	273	12	7,439	6·24	464·05	250	529	
				Blanchette 3rd	3753	12.8.20	273	14½	7,094	4·88	346·07	250	394½	
				Lady Grey 7th of St. Albans ..	Not yet allotted	1.9.20	273	7	5,320	5·19	276·49	200	315¼	
				Lady Grey 11th of St. Albans ..	„	18.9.20	273	19	6,665	5·11	340·62	175	388¼	
G. A. Kent, Archie's Creek	6	5	Ayrshire	Winsome of Wollamai Park ..	5276	1.7.20	273	16	6,269	4·23	265·34	200	302¼	
				Mermaid 2nd of Wollamai Park ..	5273	17.8.20	273	8½	6,291	4·32	271·78	250	309¾	
				Marcia of Wollamai Park ..	5271	28.8.20	273	17½	6,161	3·93	242·05	175	276	
				Dorothy of View Point	6476	28.8.20	273	10½	7,529	3·43	258·29	250	294½	
				Dinah of Mapleton	3511	6.9.20	273	10	7,448	4·19	312·53	250	356¼	
Kerr Bros., Bacchus Marsh	14	11	Shorthorn	Morven Duchess 13th	Not yet allotted	26.9.19	273	7	7,478	4·08	305·51	200	348¼	
				Morven Queenie 10th	„	28.9.19	273	6½	6,859	4·03	276·48	200	315¼	
				Morven Duchess 15th	„	8.10.19	273	7½	7,706	3·70	285·11	200	325	
				Morven Daisy 4th	„	22.10.19	273	5	5,402	4·07	220·86	200	251¾	
				Morven Cressida 2nd	„	4.11.19	273	9½	6,000	3·94	236·19	200	269¼	
				Morven Ruby 2nd	„	6.1.20	273	10½	6,401	3·79	242·73	200	276¾	
				Morven Queenie 8th	„	17.1.20	273	25½	8,701	3·92	341·00	250	388¾	
				Morven Lizzie 10th	„	27.3.20	273	10	6,618	3·71	245·90	200	280¼	
				Morven Duchess 14th	„	19.4.20	273	21½	7,017	3·57	250·47	200	285½	
				Morven Lizzie 7th	„	24.7.20	273	8½	6,488	3·87	250·85	250	286	
				Morven Duchess 13th	„	11.9.20	273	21	9,224	3·91	360·51	250	411	

CERTIFICATED COWS—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
A. Kirby, Daylesford	1	1	Ayrshire	Sweet Violet of Seafield	2536	9.7.20	273	17½	7,259	4·86	352·91	250	402¼	
C. G. Knight's Estate, Benalla	8	6	Jersey ..	Romany Girl 2nd of Tarnpirr ..	Not yet allotted	14.3.20	273	16½	4,715	5·14	242·66	175	276½	
				Marie of Tarnpirr	6029	5.4.20	273	9½	4,578	5·82	266·31	250	303¾	
				Foxglove 2nd of Tarnpirr ..	Not yet allotted	5.4.20	273	11½	4,472	5·57	248·99	175	283¾	
				My Queen of Tarnpirr	4209	10.4.20	273	14½	5,878	5·21	306·15	250	349	
				Primrose 2nd of Tarnpirr ..	Not yet allotted	13.6.20	273	10½	4,132	5·14	212·30	175	242	
				Lady Choice of Tarnpirr	5160	11.8.20	245*	21½	6,548	5·75	376·37	250	429	
J. A. Lang, Alvie ..	38	20	Ayrshire	Crest of Willowvale	5316	30.9.19	273	13	6,200	4·13	256·12	175	292	
				Gem of Roxburgh	5120	4.10.19	273	20	7,058	3·99	281·60	200	321	
				Goodness of Roxburgh ..	3822	17.10.19	273	19	7,154	4·15	296·99	200	338½	
				Emily of Riccarton	6498	30.10.19	273	22½	6,024	4·18	251·99	175	287½	
				Bud of Roxburgh	5119	26.11.19	273	12	4,977	4·54	225·99	175	257½	
				Wave of Willowvale	5320	7.12.19	273	10	4,675	5·19	242·47	175	276½	
				Berylan of Riccarton	6493	25.12.19	273	12	6,711	4·38	294·28	200	335½	
				Docy of Riccarton	6497	7.2.20	273	20½	6,308	4·08	257·21	175	293½	
				Esme 2nd of Riccarton	6501	8.2.20	273	17½	5,709	3·84	219·16	175	249½	
				Dime of Riccarton	6496	11.3.20	273	11	5,566	4·68	260·50	200	297	
				Tabitha of Riccarton	6517	12.3.20	273	19	6,680	4·28	285·76	175	325¾	
				Peggy of Riccarton	6512	17.3.20	273	9	6,838	4·49	307·32	250	350½	
				Dairymaid of Riccarton	6495	31.3.20	273	8	5,053	5.43	274·24	200	312¾	
				Docy of Yalart	3146	2.4.20	273	12½	6,945	4·54	315·34	250	359½	
				Fluffy of Willowvale	5317	7.4.20	273	4	4,967	4·61	229·24	175	261¼	
				Milkmaid of Riccarton	6505	12.5.20	273	6½	7,438	4·46	331·98	200	378½	
				Bloom of Roxburgh	Not yet allotted	20.5.20	273	9	4,443	4·47	199·53	175	227½	
				Tabitha of Gleneira	3213	26.5.20	273	5½	9,330	4·57	426·82	250	486½	
				Esme of Riccarton	6500	11.6.20	218†	11	6,690	4·06	271·94	200	310	
				Ida of Riccarton	6502	28.6.20	273	5	3,731	4·89	182·66	175	208½	
				Frolic of Golden Vein	5424	19.7.20	273	14½	7,442	4·60	342·35	200	390½	
				Countess of Golden Vein	2076	11.8.20	268	4	6,672	3·98	265·57	250	302¾	
				Blanche of Golden Vein ..	7467	24.8.20	273	11	6,538	4·12	269·66	250	307½	

J. A. Lang's herd results continued on next page

* Sold before completion of term. † Recalved prematurely.

Certificated Cows—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard Required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
J. A. Laing, Alvie—*continued.*	..	..	Ayrshire	Glorious of Roxburgh	5123	30.8.20	273	4½	8,401	3·91	328·28	250	374½	
				Lustre of Gleneira	3439	7.9.20	273	12½	6,720	3·94	265·50	250	302¼	
				Chenille of Warradale	5870	8.9.20	271	4	6,095	3·82	233·66	200	266½	
				Princess 2nd of Retreat	5394	19.9.20	273	15½	7,331	4·38	321·27	250	366½	
				Lena of Golden Vein	5427	20.9.20	273	16½	6,152	4·09	251·04	200	286¼	
				Janet 2nd of Golden Vein	7481	20.9.20	273	5	3,442	5·21	179·45	175	204½	
Mrs. E. M. Lenne, Tongala	11	9	Jersey ..	Stumpy 4th of Holmwood ..	Not yet allotted	9.10.19	273	17½	6,746	5·11	344·54	200	392¾	
				Pearl of Hillcrest	6013	19.11.19	273	25½	8,745	4·82	422·32	250	481½	
				Tulip of Bonshaw	Not yet allotted	12.1.20	273	15	6,994	4·84	338·41	250	385¾	
				Merella 2nd of Yarra Brae ..	5668	3.3.20	273	14½	4,553	6·76	307·87	200	351	
				Primrose of Bonshaw	Not yet allotted	5.3.20	273	19½	6,688	5·18	345·60	200	394	
				Myra	..	10.3.20	273	21½	8,158	4·44	362·66	250	413½	
				Sweet Nell of Hillcrest	6019	13.4.20	273	24	5,616	5·39	302·87	250	345¼	
				Tulip 2nd of Bonshaw	Not yet allotted	4.7.20	273	19	5,009	4·70	235·50	200	268½	
				Linda 2nd of Bonshaw	7100	22.9.20	273	12½	4,761	4·60	219·07	175	249¾	
Agricultural High School, Leongatha	11	11	Jersey ..	Mona's Pride of Woorayl	Not yet allotted	28.9.19	273	11	5,515	6·93	381·97	200	435½	
				Mona of Hillcrest	5926	27.10.19	240	4	7,550	4·56	344·06	250	392¼	
				Alice	Not yet allotted	13.3.20	273	15½	4,802	6·41	307·78	200	350¾	
				Surprise	..	23.3.20	273	15	3,804	6·64	252·75	200	288½	
				The Gift of Hillcrest	5928	21.8.20	273	14	7,029	4·86	341·83	250	389¾	
				Mona of Hillcrest	5926	24.8.20	226	4	7,304	4·74	346·50	250	395	
				Sunset Star of Dunalister ..	5927	26.8.20	273	15	8,418	5·57	469·11	250	534½	
				Rosalena	Not yet allotted	29.8.20	273	4½	4,323	6·18	267·21	175	304½	
				Mona's Pride of Woorayl ..	..	2.9.20	273	10	6,096	6·16	375·52	250	428	
				First Choice	372 C.S.H.B.	4.9.20	273	6	8,479	6·09	516·23	250	588½	
				Ciclia of Woorayl	Not yet allotted	4.9.20	273	14½	5,315	5·23	277·76	175	316¾	

Certificated Cows—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
Leslie and Gerrand, Sale	5	4	Ayrshire	Peaceful of Raith	5324	14.10.19	273	2 1½	6,983	4·30	300·19	200	342½	
				Peggy 3rd of Summerhill ..	5325	22.11.19	265	10	6,266	4·26	266·75	250	304	Withdrawn before completion of term
				Flossie 2nd of Raith	6522	27.5.20	262	4	7,185	4·05	291·28	250	332	
				Argus of Raith	6519	7.7.20	243	4	7,218	3·79	273·37	250	311½	
H. Lidgett, Myrniong	1	1	Shorthorn	Duchess of Pentland 30th ..	Not yet allotted	7.10.19	273	4	4,880	4·16	203·36	200	231¾	
R. Lidgett, Myrniong	4	4	Shorthorn	Myrtle 7th	Not yet allotted	1.4.20	273	13½	6,909	4·16	287·65	250	328	
				Beauty	„	16.4.20	273	12	6,749	4·34	293·31	250	334¼	
				Pentland's Bloom 2nd	„	23.5.20	273	7	5,788	4·21	243·85	200	278	
				Susie	„	14.8.20	235	4	6,012	4·14	250·03	250	285	
Mrs. E. Lithgow, Bacchus Marsh	1	1	Red Poll	Plum	Not yet allotted	4.9.20	273	16½	5,348	4·55	243·46	175	277½	
C. D. Lloyd, Caulfield	10	10	Jersey ..	White Stockings 4th	6062	3.10.19	273	14½	7,872	5·05	397·90	250	453½	
				Sweetbread 24th	2979	7·10·19	273	21½	9,617	5·09	489·56	250	558	
				Creambread	4239	17.10.19	273	15	6,694	5·86	392·04	250	447	
				Gingerbread	5197	5.11.19	273	9½	5,864	5·46	320·28	250	365	
				Werribee Northwood Madeira 6th ..	Not yet allotted	6.2.20	273	21	6,728	6·33	426·10	200	485¾	
				Starbight 9th	„	6.4.20	273	32½	9,690	6·01	582·07	200	663½	
				White Cake of Glen Iris	„	23.8.20	273	15	5,413	5·37	290·75	175	331½	
				Fancy Bread of Glen Iris	„	11.9.20	273	12½	4,866	5·28	256·73	175	292¾	
				Ginger Cake of Glen Iris	„	22.9.20	273	14	5,797	5·73	332·13	200	378¾	
				White Stockings 4th	6062	14.9.20	273	18½	8,113	5·19	420·82	250	479¾	
Mrs. H. Luxton, Kew	1	1	Jersey ..	Lotina's Lady	4286	2.11.19	273	16	6,522	4·57	298·24	250	340	

CERTIFICATED COWS—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
C. G. Lyon and R. R. Kerr, Heidelberg	33	33	Jersey ..	Mary Anne of Banyule	6072	9.10.19	273	20½	8,015	5·51	441·34	200	503	
				Melodious	2336	20.9.19	273	14	6,660	5·46	363·85	250	414⅜	
				Coralloid	6065	27.10.19	247	4	3,625	5·61	203·32	175	231⅝	
				Audrey Lassie	825	11·11·19	273	22	8,969	4·24	380·01	250	433¼	
				Lily 4th	Not yet allotted	15.11.19	273	18	7,055	5·57	393·02	200	448	
				Mabel's Petal of Banyule.. ..	7122	19.11.19	273	18	5,611	5·62	315·30	175	359½	
				Colleen Rhue of Banyule	7115	23.11.19	273	12	4,470	5·97	267·06	175	304½	
				Silvermine 20th of Banyule ..	7131	26.11.19	273	19	6,374	5·81	370·53	175	422⅜	
				Tiddlewinks 3rd	Not yet allotted	27.11.19	273	19½	5,835	5·92	345·43	200	393¾	
				Woodruff Lady Monda	..	5.12.19	273	18½	5,586	5·36	299·52	175	341¼	
				Dido 2nd of Banyule	7117	20.12.19	273	14	6,000	5·46	327·87	175	373⅜	
				Magnet's Lass 5th of Banyule ..	7123	24.12.19	273	14½	4,427	6·54	289·69	175	330¼	
				Lassie 7th of Banyule	6069	6.1.20	273	16	4,916	5·98	294·00	200	335¼	
				Melford Mascotte	5215	8.1.20	273	21½	6,082	5·88	357·43	250	407⅜	
				Thora 4th of Banyule	6083	9.1.20	273	15½	5,700	5·43	310·21	200	353½	
				Zoe 5th of Warragaburra.. ..	1497	7.2.20	273	17½	5,672	5·73	325·02	250	370½	
				Statuette 2nd of Banyule ..	7132	25.2.20	273	15½	4,637	6·05	280·37	175	319½	
				Silvermine 14th of Banyule ..	5220	17.3.20	273	24	9,615	4·62	444·62	250	506¼	
				Dainty Maid of Holmwood ..	Not yet allotted	6.3.20	273	11	6,274	5·45	341·93	250	389¾	
				Molly of Clover Flat	5487	18.3.20	273	25	8,499	5·87	499·07	250	569	
				Hawthorn 5th of Banyule ..	5208	19.4.20	273	19	7,420	5·30	393·69	250	448⅞	
				Pretty May (imp.)	3103	15.5.20	273	20½	8,445	5·30	447·63	250	510¼	
				Silvermine 17th of Banyule ..	6079	30.5.20	273	13	5,984	5·21	311·74	200	355½	
				Princess Victoria of Holmwood ..	5152	3.6.20	273	24	10,311	4·87	502·05	250	572¼	
				Hawthorn 7th of Banyule ..	6068	6.6.20	273	10½	6,231	5·51	343·13	200	391¼	
				Starfinch 3rd of Banyule	6082	14.6.20	273	11	5,708	5·98	341·44	200	389¼	
				Velveteen 4th of Banyule ..	7136	28.6.20	273	11½	6,060	5·06	306·52	175	349¼	
				Soprano 2nd of Banyule	6081	4.7.20	273	13½	6,074	5·68	345·15	200	393¼	
				Silver Harp of Banyule	7126	11.7.20	273	15	6,145	4·54	278·77	175	317¾	
				Ettie 5th of Banyule	5204	12.7.20	273	17	7,276	4·95	360·43	250	410¾	
				Silver Lotus of Banyule	7129	17.7.20	273	13	4,412	4·72	208·00	175	237¼	
				Lily 5th of Holmwood	Not yet allotted	7.9.20	273	15½	7,047	5·30	373·47	250	425¾	
				Zoe 6th of Banyule	6088	20.9.20	273	13¼	5,358	6·34	339·46	250	387	

CERTIFICATED COWS—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Putter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
L. McFarlane, Bundoora	14	12	Ayrshire	Beryl of Gleneira	2441	26.9.19	255	4	8,796	4·08	359·14	250	409½	
				Daphne of Ayrbrae	5403	27.9.19	273	5½	5,879	4·88	286·92	200	327	
				Mulberry 2nd of Gleneira ..	3443	2.10.19	273	17⅛	8,511	3·82	324·82	250	370¼	
				Little Virtue of Ellerslie	6649	29.10.19	273	15½	5,413	5·18	280·45	175	319¼	
				Maiden of Ayrbrae	5404	6.11.19	265	4	6,300	4·15	261·64	200	298½	
				Sylvia of Ayrbrae	5409	16.11.19	273	9	5,062	4·55	230·32	175	262½	
				Peeress of Ayrbrae	5406	22.1.20	273	8½	5,107	4·99	254·92	175	290½	
				Heather of Winslade	Not yet allotted	18.2.20	273	17½	4,875	4·92	239·97	175	273½	
				Sylvan Maid of Glen Alvie ..	5408	9.8.20	226	4	7,169	3·99	286·26	250	326¼	
				Peeress 2nd of Flinders	5407	29.8.20	273	5	7,281	4·61	335·62	250	382½	
				Queen Mary of Gleneira	6151	23.9.20	251	4	6,365	4·07	258·98	175	295¼	
				Mary of Ayrbrae	6642	24.9.20	273	9¼	5,207	4·85	252·93	175	288½	
F. McIver, Tarwin Lower	3	3	Ayrshire	Ida of Sparrovale	3895	10.4.20	273	9½	5,731	3·94	226·14	200	257¾	
				Murmur 4th of Gleneira	6644	5.9.20	259	4	6,285	4·13	259·49	250	295¾	
				Daphne of Gleneira	4921	22.9.20	273	7½	5,772	4·87	281·33	200	320¼	
W. J. McKernan, Tatura	4	4	Ayrshire	Jessie of Willowvale	4647	15.10.19	273	4	5,360	4·74	254·06	200	289½	
				Rosalina of Glengarnock	2295	10.8.20	273	17	7,579	4·05	306·78	250	349¾	
				Star of Kelvin Grove	6104	3.9.20	273	11½	4,838	4·59	222·09	175	253¼	
				Jessie of Willowvale	4647	19.9.20	273	12	7,024	4·81	337·72	250	385	
P. J. Maloney, Tongala	9	9	Jersey	Marie of Bonshaw	Not yet allotted	16.12.19	273	12	5,252	4·59	241·35	175	275¼	
				Beauty of Bonshaw	„	17.12.19	273	10	4,470	5·42	242·53	175	276½	
				Our Choice of Tarnpirr	6034	23.12.19	273	21	7,085	6·09	431·20	200	491¾	
				Balsam of Springhurst	4376	25.3.20	273	22	6,606	5·17	337·39	250	384¼	
				Czarina of Springhurst	4380	7.4.20	273	25	7,507	5·39	404·60	250	461¼	
				Wattle of Springhurst	5408	13.4.20	273	26¾	8,092	4·69	379·91	250	433	
				Lady 2nd of Bonshaw	7170	15.7.20	273	20	6,619	4·94	327·18	200	373	
				Buttercup of Bonshaw	Not yet allotted	19.8.20	273	18	6,678	5·32	355·54	250	405¼	
				Lady of Belgonia	„	18.9.20	273	11½	4,490	5·64	243·32	175	277¼	

CERTIFICATED COWS—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
Meier Bros., Box Hill	1	1	Jersey ..	Flower Queen	4285	8.11.19	201*	21	5,308	5·21	276·82	250	315½	
W. Meredith, Ondit	2	2	Ayrshire	Violet of Retreat	4342	18.7.20	273	17½	6,316	4·09	258·38	175	294½	
				Elsa of Willowvale	5360	17.9.20	214*	11	5,278	4·68	247·08	200	281¼	
T. Mesley, Dalyston	11	11	Jersey ..	Brighton Peeress 2nd	Not yet allotted	10.10.19	273	10	3,392	6·25	211·91	175	241½	
				Tilly Lantry 2nd of Warrenda ..	,,	25.11.19	273	12	4,717	6·24	294·60	175	335¾	
				Music of Warenda	,,	19.12.19	273	10½	4,571	5·59	255·79	175	291	
				La Charme	5248	,,	273	29	7,487	5·51	412·60	250	470¼	
				Pibroch	5256	11.2.20	273	26	7,124	5·86	417·83	250	476¼	
				Belle of Warenda	Not yet allotted	28.4.20	273	16	4,332	6·05	305·47	200	348¼	
				Philomel	5255	19.7.20	273	22	8,619	5·10	439·29	250	500¾	
				Garenne 2nd	5242	23.7.20	273	28	10,109	5·71	576·80	250	657¾	
				Phyllis	5254	3.9.20	273	11½	7,900	4·66	368·77	250	420¼	
				Ragtime of Warenda	7196	23.9.20	273	16½	6,365	6·71	427·24	175	487	
				Keepsake of Warenda	Not yet allotted	,,	273	10	3,951	6·28	247·98	175	282¾	
J. R. Mitchell, Sandford	1	Nil	Red Poll											
A. J. Monckton, Whittington, Geelong	1	1	Jersey ..	Peerless 12th of Melrose	6309	24.4.20	273	12½	4,849	6·09	295·45	250	336¾	

* Sold before completion of term.

Certificated Cows—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
W. J. Muhlebach, Batesford	14	14	Ayrshire	Daisy Bell of Retreat	4326	30.9.19	273	13½	5,782	4·51	260·70	175	297¼	
				Pansy of Retreat	4336	30.9.19	249	4	5,806	5·14	298·69	250	340½	
				Daffodil of Retreat	5383	6.10.19	273	6½	6,452	4·24	273·40	200	311⅝	
				Verbena of Retreat	4341	7.10.19	273	5½	4,109	4·32	177·73	175	202½	
				Pretty of Retreat	4338	17.10.19	268	4	5,306	4·92	261·19	175	297⅜	
				Modesty of Retreat	4335	25.10.19	257	4	4,981	4·60	229·20	200	261¼	
				Gracie of Retreat	5386	10.1.20	243*	14½	5,388	4·99	268·85	200	306½	
				Pearline of Retreat	5392	8.7.20	273	9	4,688	4·75	222·66	175	253¾	
				Holly of Retreat	5387	15.8.20	273	11½	8,733	4·73	412·83	250	470½	
				Mermaid of Retreat	4334	22.8.20	273	10½	8,406	4·69	394·41	200	449½	
				Garland of Ben Kell	5748	21.9.20	273	14½	5,989	3·87	231·94	175	264¼	
				Pansy of Retreat	4336	22.9.20	227	4	6,050	4·26	258·00	250	294	
				Daisy Bell of Retreat	4326	24.9.20	251	15	7,698	4·51	346·96	200	395½	Re-calved prematurely
				Beauty of Retreat	4322	24.9.20	234	4	7,115	4·17	296·68	250	338¼	
Mrs. L. Orchard, Grahamsvale	7	5	Jersey ..	Daffodil of Jersey Vale	Not yet allotted	3.10.19	273	13	4,771	5·25	250·63	200	285¾	
				May of Jersey Vale	„	18.10.19	273	9	4,670	5·62	262·58	175	299½	
				Myrtle 2nd of Jersey Vale ..	„	27.11.19	273	13½	3,190	5·96	190·13	175	216⅜	
				Pansy of Grahamsvale	5330	2.4.20	273	10	6,220	5·56	346·01	250	394½	
				May of Jersey Vale	Not yet allotted	19.9.20	273	6	5,109	5·25	268·34	200	306	
T. H. Payne, Kilmore	1	Nil	Red Poll											
T. Raggat, Casterton	5	5	Jersey ..	Goldy of Strathbon	Not yet allotted	15.7.20	273	11	5,006	6·35	317·94	175	362½	
				Twilight 6th of Melrose	„	22.7.20	273	10	6,598	4·58	302·09	250	344⅛	
				May of Clover Flat	7444	10.8.20	273	12	5,241	4·90	256·76	175	292⅞	
				Maid's Princess 2nd of Clover Flat	7443	11.8.20	273	12½	6,126	5·48	335·73	175	382⅜	
				Lassie 4th of Clover Flat ..	5485	14.8.20	273	17	7,490	4·88	365·65	250	414⅜	

* Sold before completion of term.

CERTIFICATED COWS—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
R. Ralston, Moglonemby	13	9	Ayrshire	Lady Dutchess of Ben Kell	4578	26.9.19	222	4	5,596	3·85	215·66	200	245¾	
				Welcome of Ben Kell	4591	12.10.19	273	10	6,660	3·73	248·51	175	283¾	
				Treasure of Ben Kell	4589	13.10.19	248	4	6,720	3·96	266·04	250	303¼	
				Pearl of Ben Kell	3052	13.4.20	273	14½	6,824	4·11	280·70	250	320	
				Poppy of Ben Kell	4584	13.5.20	273	24½	8,488	4·86	412·29	200	470	
				Dairymaid of Ben Kell	3048	13.5.20	273	5½	8,100	4·49	364·03	250	415	
				Pardon of Ben Kell	5753	14.7.20	273	12	5,745	4·03	231·25	175	263½	
				Veronica of Ben Kell	5755	23.8.20	273	9	4,775	4·44	212·23	175	242	
				Treasure of Ben Kell	4589	23.9.20	273	17	9,595	3·88	373·29	250	425½	
Miss Bruce Reid, Bundoora	18	17	Jersey ..	Cartoon 5th	317 C.S.J.H.B.	14.11.19	263	4	5,593	5·40	301·87	250	344¼	
				Jubilee Daffodil	Not yet allotted	20.11.19	273	14	6,212	4·86	301·66	200	343¾	
				Noble's Coquette	,,	29.11.19	273	11	4,625	5·43	251·54	200	286¾	
				Jubilee Wynda Wild Flower ..	,,	30.11.19	273	17	4,887	5·95	290·92	200	331¾	
				Willoh's Dagmar	551 C.S.J.H.B.	4.12.19	273	4½	5,059	5·28	267·13	250	304½	
				Mauve Lilac	Not yet allotted	15.12.19	273	14	6,075	5·63	342·04	250	390	
				Jubilee Willoh	,,	16.12.19	273	11	4,468	5·37	240·00	175	273½	
				Jubilee Cherry's Fawn	,,	23.12.19	273	9½	4,866	6·28	305·68	250	348½	
				Jubilee Lavender	7343	12.1.20	273	9	3,292	5·83	192·19	175	219	
				Jubilee Violet	Not yet allotted	15.1.20	273	16½	4,391	5·96	262·65	175	299½	
				Retford Fawn	3056	6.2.20	273	16	6,268	5·91	370·23	250	422	
				Jubilee Twilight Rambler ..	Not yet allotted	7.2.20	273	10	5,466	5·97	326·60	200	372¼	
				Mountain Mist of Kameruka ..	6210	26.2.20	273	21	7,058	5·40	381·37	250	434¼	
				Jubilee Red Rose	Not yet allotted	3.3.20	273	22½	6,558	5·43	356·15	200	406	
				Jubilee Hydrangea	,,	16.4.20	273	9	4,096	5·01	205·24	200	234	
				Jubilee Periwinkle	,,	31.7.20	273	5	3,259	6·43	209·57	175	239	
				Retford Ethel	6211	8.8.20	273	11	4,493	5·61	252·28	250	287½	

CERTIFICATED COWS—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
J. D. Read, Springhurst	28	22	Jersey	Eidelweiss of Springhurst ..	7327	5.2.20	273	17½	4,188	5·32	222·99	175	254¼	
				Cornflower of Springhurst ..	7326	12.1.20	273	20	4,662	5·22	243·22	175	277⅜	
				Picotee of Springhurst	7333	1.2.20	273	17	3,910	5·05	197·57	175	225½	
				Nemophila of Springhurst ..	7332	1.2.20	273	13½	3,918	5·37	210·27	175	239¾	
				Infanta of Springhurst	5396	22.2.20	273	14½	4,899	5·22	255·99	250	291⅞	
				Empress of Springhurst	7328	12.3.20	273	8½	4,066	5·05	205·49	175	234¼	
				Clover of Springhurst	6201	15.3.20	273	9½	3,595	5·73	206·01	200	234½	
				Crocus of Springhurst	5393	17.3.20	273	14	6,454	5·26	339·55	250	387	
				Brighton Princess of Springhurst ..	5391	22.3.20	273	21	5,266	5·34	281·49	250	320⅞	
				Begum of Springhurst	5388	26.3.20	273	4	4,643	5·48	254·38	200	290	
				Coleus of Springhurst	7325	26.3.20	273	8½	2,720	6·58	179·09	175	204¼	
				Art of Springhurst	6199	29.3.20	273	14	5,450	4·16	226·66	200	258⅜	
				Daffodil of Springhurst	4381	2.4.20	273	13	5,045	5·96	300·59	250	342½	
				Nightshade of Springhurst ..	3707	3.4.20	273	10	5,997	4·72	283·02	250	322⅝	
				Verbena of Springhurst	5407	5.4.20	273	10	6,854	4·55	311·86	250	355½	
				Jonquil of Springhurst	5398	2.4.20	273	9	5,208	5·91	307·96	200	351	
				Lucerne of Springhurst	5399	22.4.20	273	15½	5,127	5·57	285·77	250	325¾	
				Dauphine of Springhurst ..	6202	22.4.20	269*	12	4,339	6·00	260·47	200	207	
				Acacia of Springhurst	6198	25.4.20	273	7½	3,526	5·73	202·21	200	230½	
				Virginia of Springhurst	Not yet allotted	6.5.20	273	12½	4,267	5·60	238·98	175	272½	
				Lantana of Springhurst	6204	10.6.20	273	14½	4,957	5·86	290·62	200	331¼	
				Dolichos of Springhurst	6203	20.6.20	272*	9½	4,208	4·85	204·16	200	232¾	
C. J. Reid, Devenish	6	1	Jersey ..	Fuchsia 12th of Melrose	6299	17.4.20	273	11½	6,958	5·19	361·25	250	411¾	
Miss S. L. Robinson, Malvern	5	3	Jersey ..	Werribee Island Starbright ..	Not yet allotted	2.12.19	273	7	3,501	5·73	200·51	175	228½	
				Kyora's Defenders May 3rd ..	,,	15.1.20	273	7	4,052	5·22	211·60	200	241¼	
				Kyora's Merry Mike's Mayflower ..	,,	23.3.20	251*	14	4,350	4·54	197·59	175	225¼	

* Withdrawn prematurely.

Certificated Cows—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
J. H. Rogers, Yarraville	10	7	Ayrshire	Bonnie of Glencairn	5640	3.10.19	273	18	5,473	3·71	202·83	175	231½	
				Comely of Wethersdane	4154	6.10.19	273	4	7,378	4·29	316·90	250	361½	
				Pearl of Riverside	6827	12.10.19	261	4	7,171	4·42	316·83	250	361¼	
				Ruby of Riverside	6835	20.12.19	273	22½	6,013	4·17	250·86	175	286	
				Minnie of Riverside	6825	4.2.20	273	15½	4,370	4·33	189·09	175	215½†	
				Duchess 2nd of Mapleton ..	4480	25.5.20	273	19½	9,073	3·75	340·78	250	388½	
				Dewberry of Blackwood Park ..	4478	13.7.20	273	10	5,502	5·02	276·06	250	314¾	
G. Rowe, Kardella ..	7	4	Jersey ..	Princess Dot	497 C.J.H.B.	4.8.20	273	13¼	5,353	5·80	311·56	250	355¼	
				Daffodil	157 C.J.H.B.	6.9.20	273	9½	6,844	4·16	284·48	250	324¼	
				Sweet Pansy 5th of Melrose ..	Not yet allotted	7.9.20	273	12½	4,747	6·54	310·69	200	354¼	
				Princess of Welbourne	,,	17.9.20	273	6	3,730	5·21	194·39	175	221¾	
S. Rowe, Mt. Eccles	3	3	Jersey ..	Dunalister's Brighton Mite ..	Not yet allotted	2.10.19	273	12	4,589	5·41	248·51	175	283¼	
				Sweet Maid of Mt. Eccles ..	6236	5.10.19	273	11	4,475	5·16	231·15	175	263¼	
				Lucy 7th of Mt. Eccles	6235	9.12.19	273	10½	4,984	5·54	276·18	175	314¾	
F. W. Sadler, Camperdown	4	3	Shorthorn	Edith 5th of Hillfield	Not yet allotted	11.10.19	273	12	5,851	3·70	216·35	175	264¾	
				Roan Ada 4th	,,	22.10.19	273	6½	7,922	3·54	280·39	200	319¾	
				Poplar Vale Princess 35th ..	,,	1.8.20	273	4½	5,383	4·13	222·28	200	253½	
Sadler Bros., Noorat	16	15	Ayrshire	Lady of Ecclefechan*	2308	24.9.19	246	4	8,197	4·29	352·09	250	401¾	
				Satin Bird of Burnbrae	4621	13.10.19	273	24	8,177	4·45	363·74	200	414¾	
				Clarice of Burnbrae	6839	6.1.20	273	14½	4,829	4·02	194·41	175	221¾	
				Lady Louie of View Point ..	4614	3.3.20	273	32	9,050	4·14	375·60	200	428½	
				Lesbia of Yalart	3180	4.3.20	273	19	7,691	4·31	331·69	250	378	

Sadler Bros.' herd results continued on next page

* Inadvertently omitted from last annual report. † Mammitis reduced yield.

CERTIFICATED COWS—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
Sadler Bros., Nootat —*continued.*	..	..	Ayrshire	Rosalie of Yalart	6852	4.3.20	273	18½	7,909	3·66	289·76	250	330¼	
				Lotus of Burnbrae	6846	11.3.20	273	16½	5,603	4·14	232·25	175	264½	
				Nicety of Yalart	6850	13.3.20	273	19	8,228	4·32	355·37	250	405	
				Pearl of Burnbrae	4620	15.3.20	273	19½	8,227	4·17	343·16	250	391¼	
				Ruffy of Ecclefechan	3086	3.5.20	273	14	7,154	4·05	289·68	250	330¼	
				Lady Burnbrae	4612	10.5.20	273	18	8,420	4·16	350·45	250	399½	
				Get 2nd of Kilmarnock	5851	17.7.20	273	7	7,976	4·08	325·39	250	371	
				Get of Kilmarnock	3092	30.7.20	273	15	7,224	3·46	250·28	250	285¼	
				Thelma-of View Point	4622	13.8.20	273	7½	6,259	3·98	248·95	200	283¾	
				Fairy of Burnbrae	5840	24.9.20	273	20	7,515	3·51	263·52	175	300½	
Agricultural High School, Sale	12	6	Ayrshire	Young Perlaine of Ellerslie ..	2754	9.2.20	273	21½	8,252	4·64	382·75	250	436¼	
				Madeira Flinders	1740	15.3.20	273	10	7,005	3·88	271·58	250	309½	
				Young Madeira of La Trobe ..	4814	5.4.20	273	7	5,923	4·04	239·56	200	273	
				Gladiana	4809	17.8.20	273	11½	4,463	4·96	221·37	175	252¼	
				Gladys of Ellerslie	4810	22.8.20	273	10	5,321	4·76	253·35	250	288¾	
				Nellie of La Trobe	4811	23.9.20	273	5	5,245	4·41	231·40	200	263¾	
A. H. Schier, Kernot	25	11	Ayrshire	Silverine of Inverleigh	5864	6.10.19	268	4	4,340	4·66	202·37	175	230¼	
				Boronia 2nd of Pine Grove ..	4626	29.10.19	240	4	5,013	4·51	226·32	200	258	
				Dolly Brown of Inverleigh ..	5854	9.11.19	273	17½	5,983	3·78	226·25	175	258	
				Mabel of Simpson House ..	5127	19.11.19	273	11½	5,575	4·75	264·95	200	302	
				Primrose 2nd of Pine Grove ..	4640	25.11.19	264	4	5,029	4·29	215·73	200	246	
				Marguerite of Glengowrie ..	4632	19.12.19	273	15½	5,498	4·49	247·11	200	281¾	
				Blanche 4th of Balvormie ..	4625	29.1.20	273	9½	5,815	4·47	259·84	250	296½	
				Phyllis of Glengowrie	4639	16.3.20	226	4	4,294	4·91	210·81	200	240¼	
				Dear of Midbranch	4628	30.3.20	273	19	6,543	4·04	264·34	250	301½	
				Bess of Gleneira	7707	11.8.20	273	11	6,533	3·95	258·16	250	294¾	
				Garnet..	2443	26.8.20	273	12	8,241	3·96	325·40	250	370¾	
J. Scott, Chiltern ..	5	3	Jersey ..	Maitlands Petal	3338	23.12.19	273	18½	5,150	5·55	285·77	250	325½	
				Maitlands Petal 3rd of Havilah ..	5212	17.8.20	269	4	5,676	5·37	314·58	250	358¼	
				Maitlands Petal 2nd of Havilah ..	5211	25.8.20	273	7½	4,968	5·91	295·36	250	336¾	

CERTIFICATED COWS —*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
Mrs. E. Sims, Toolern Vale	3	3	Jersey ..	My Hope of Kameruka	6032	9.5.20	273	18	7,004	4·80	336·50	200	383½	
				Mistletoe 2nd of Tarnpirr ..	6030	19.9.20	273	19½	7,781	5·55	431·59	200	492	
				Keepsake of Tarnpirr	7056	20.9.20	273	18	5,408	5·44	294·07	175	335¼	
A. Spiers, Nalangil	1	1	Ayrshire	Holly of Ayrshire Bank	2066	12.10.19	273	9½	7,347	3·69	270·90	250	308¾	
H. Stone, Cohuna	3	2	Shorthorn	Hillfield Maid	Not yet allotted	25.2.20	273	20	7,201	4·19	302·01	250	344½	
				Baldwyn's Cherry 2nd	,,	5.3.20	273	10½	4,708	4·13	194·53	175	221¾	
O. J. Syme, Macedon	20	20	Friesian	Duplicate Posch Maud	300	8.10.19	264	4	11,937	3·52	420·24	250	479	
				Barbara of Brundee	298	26.10.19	271	4	9,547	3·60	343·84	250	392	
				Bolobek Ruby	314	27.10.19	273	9½	6,990	3·54	247·49	175	282½	
				Bolobek Rhoda	309	1.12.19	273	10½	11,316	3·32	375·81	250	428½	
				Bolobek Belle	303	3.12.19	272*	10½	6,821	3·87	264·22	250	301¼	
				Domino's Hergeveld Belle ..	307	5.2.20	273	33	12,145	3·68	446·49	250	509	
				Queen of Friesland Park	304	7.2.20	273	41	11,998	3·53	424·07	250	483½	
				Bolobek Amabel	317	11.2.20	273	21½	8,984	4·34	389·81	200	444½	
				Princess Ena	299	20.2.20	273	14	11,676	3·63	424·12	250	483½	
				Bolobek Jean	320	6.4.20	273	29	9,990	3·37	336·51	250	383½	
				Pearl of Friesland Park	306	11.4.20	273	26	9,837	3·60	354·38	250	404	
				Bolobek Ethel	302	6.5.20†	177	3½	6,972	4·00	279·25	250	318½	Died
				Jennie de Kol	301	21.5.20	273	24	8,939	3·57	319·37	250	364	
				Bolobek Isabella	313	22.5.20	273	22½	9,289	3·36	312·23	250	356	
				Bolobek Amy	Not yet allotted	15.6.20	273	23	9,295	3·43	318·62	175	363¼	
				Bolobek Maisie	,,	20.6.20	273	27½	9,006	3·33	299·91	175	341¾	
				Duchess of Friesland Park ..	305	6.7.20	273	26½	12,286	3·64	447·80	250	510½	
				Bolobek Kathleen	Not yet allotted	27.7.20	273	24	8,187	3·92	320·96	175	365¾	
				Bolobek May	310	11.8.20	273	23	11,441	3·54	404·54	250	461¼	
				Bolobek Dolly Gray	308	18.8.20	273	11	11,674	3·56	413·14	250	471	

* Withdrawn prematurely.

† Calved prematurely.

CERTIFICATED COWS—*continued.*

Owner.	No. Completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
								lbs.	lbs.		lbs.	lbs.	lbs.	
J. Thorburn, Woodend North	5	3	Ayrshire	Possum of La Motte	6018	22.4.20	273	15½	6,559	4·63	303·91	250	346¾	
				Oatlands Tip	6017	2.6.20	273	9	6,291	4·59	288·74	250	329¼	
				Oatlands Polly	6016	26.7.20	273	15	6,862	4·61	316·03	250	360¼	
Agricultural High School, Warrnambool	1	1	Ayrshire	Empress 2nd of Golden Vein ..	5420	28.7.20	250	4	7,528	4·15	312·40	200	356	
W. H. Waycott, Pascoe Vale	2	2	Jersey	Lady Perfection	4555	9.2.20	273	21	5,970	6·11	364·80	250	415¾	
				Snowflake of Springhurst.. ..	5405	29.6.20	273	14½	6,114	4·89	299·07	250	341	
H. Webb, Sunbury	14	11	Ayrshire	Miriam of Fernhill	4775	9.10.19	273	12	5,088	3·78	192·17	175	219	
				Lily of Holly Green	4772	21.10.19	273	16½	5,755	4·30	247·62	175	282¼	
				Rosebud of Holly Green	4782	12·1·20	273	11	5,020	4·14	207·60	200	236¾	
				Jewel of Holly Green	4770	16.3.20	239	14	4,382	4·20	184·18	175	210	Sold before completion of term.
W. Woodmason, Oakleigh	47	46	Jersey	Vanilla 11th of Melrose	Not yet allotted	27.9.19	273	14	6,205	5·83	361·95	200	412½	
				Jessie 15th of Melrose	5546	29.9.19	273	14	5,843	6·19	361·47	250	412	
				Vanilla 12th of Melrose	Not yet allotted	1.10.19	273	10½	4,076	6·11	249·09	175	284	
				Lassie Fowler 7th of Melrose ..	,,	19.10.19	273	16½	5,762	5·87	339·27	175	386¾	
				Laura 9th of Melrose	5551	24.10.19	273	17	6,498	6·68	434·29	250	495	
				Peerless 20th of Melrose	Not yet allotted	31.10.19	273	15½	5,114	5·64	288·68	175	329	
				Edith 6th of Melrose	,,	31.10.19	273	14½	5,485	6·08	333·31	200	380	
				Peerless 16th of Melrose	,,	2.11.19	273	10½	3,878	5·91	228·99	175	261	
				Gaiety Girl 8th of Melrose ..	5537	7.11.19	273	14½	6,021	5·54	333·85	250	380½	
				Jenny Lind 9th of Melrose ..	5543	17.11.19	273	19½	6,779	6·25	423·65	250	483	
				Graceful Duchess 11th of Melrose ..	4518	22.11.19	273	21½	6,377	6·06	386·80	250	440	

W. Woodmason's herd results continued on next page

CERTIFICATED COWS—*continued.*

Owner.	No. completed Test.	No. Certificated.	Breed.	Name of Cow.	Herd Book No.	Date of Calving.	Days in Test.	Milk last Day of Test.	Milk.	Average Test.	Butter Fat.	Standard required.	Estimated Butter.	Remarks.
W. Woodmason, Oakleigh—*continued.*	..	..	Jersey ..	Jessie 20th of Melrose	Not yet allotted	24.11.19	273	lbs. 17½	lbs. 5,988	6·54	lbs. 391·21	lbs. 200	lbs. 446	
				Lassie Fowler 4th of Melrose ..	4522	26.11.19	273	20	8,355	5·18	433·44	250	494	
				Empire 5th of Melrose	4515	2·12·19	273	11½	5,691	5·09	289·63	250	330½	
				Jessie 13th of Melrose	5544	1.12.19	273	16½	6,604	6·58	434·73	250	495½	
				Graceful Duchess 19th of Melrose ..	Not yet allotted	18.12.19	273	16¼	5,066	6·41	324·83	175	370½	
				Peerless 14th of Melrose	..	10.1.20	273	13½	4,140	6·87	284·52	175	324½	
				Handsome Girl 7th of Melrose ..	5541	5.2.20	273	21½	6,256	7·13	446·16	250	508½	
				Pearl 2nd of Melrose	3670	21.2.20	273	17½	6,302	5·43	342·54	250	390½	
				Laura 10th of Melrose	Not yet allotted	2.3.20	273	15½	4,346	6·50	282·52	175	322	
				Fuchsia 10th of Melrose	4516	2·3·20	273	21	8,261	4·37	360·73	250	411½	
				Flower 11th of Melrose	6298	2·3·20	273	6½	5,700	6·45	367·93	250	419½	
				Graceful Duchess 10th of Melrose ..	3646	5.3.20	273	16½	5,158	6·46	352·73	250	402	
				Waverley Lass 3rd of Melrose ..	6312	16.3.20	273	16	6,043	6·53	394·78	250	450	
				Sweet Pansy 3rd of Melrose ..	5562	7.4.20	273	14	5,882	6·20	364·49	250	415½	
				Quality 6th of Melrose	3674	15.4.20	273	22	7,358	4·68	344·24	250	392½	
				Lady Elector 2nd of Melrose ..	5548	17.4.20	273	10½	5,295	5·84	308·95	250	352½	
				Jessie 6th of Melrose	4519	29.4.20	273	20	7,445	6·05	450·67	250	531½	
				Vanilla 7th of Melrose	5564	9.5.20	273	16	6,532	6·22	406·29	250	463½	
				Daisy 7th of Melrose	5532	14.5.20	273	15½	6,861	5·56	381·36	250	434½	
				Flower 6th of Melrose	3641	17.5.20	273	22½	8,503	5·20	442·51	250	504½	
				Rarity 10th of Melrose	Not yet allotted	6.6.20	273	13½	6,590	6·79	447·58	200	510¼	
				Mystery 17th of Melrose	..	7.7.20	268*	8¼	6,130	5·94	364·33	250	415½	
				Lady Elector 3rd of Melrose ..	5549	10.7.20	273	11½	7,066	5·76	408·24	250	465½	
				Jenny Lind 10th of Melrose ..	6302	25.7.20	273	20½	9,276	5·42	514·00	250	586	
				Blossom 4th of Melrose	5531	29.7.20	273	18½	7,504	5·58	418·52	250	477	
				Graceful Duchess 14th of Melrose ..	5540	31.7.20	273	16½	7,566	6·16	466·09	250	531½	
				Chevy 9th of Melrose	6297	13.8.20	273	15½	6,683	6·09	406·76	250	463½	
				Empire 6th of Melrose	5534	16.8.20	273	13½	6,389	5·58	356·26	250	406½	
				Graceful Duchess 17th of Melrose ..	Not yet allotted	18.8.20	273	13	5,131	6·49	333·08	200	379½	
				Jessie 24th of Melrose	,,	19.8.20	273	17	5,316	5·85	310·89	175	354½	
				Jessie 22nd of Melrose	,,	5.9.20	273	13	5,472	6·35	347·79	175	396½	
				Vanilla 11th of Melrose	,,	8.9.20	273	16½	6,113	6·04	369·11	250	420½	
				Graceful Duchess 18th of Melrose ..	,,	11.9.20	273	13	4,432	6·91	306·44	200	349½	
				Primrose of Melrose	,,	16.9.20	273	16	7,314	5·01	366·50	250	417½	
				Gaiety Girl 10th of Melrose ..	,,	21.9.20	273	13½	4,352	6·34	275·85	175	314½	

* Withdrawn prematurely.

HERD AVERAGES.

1st Mr. J. H. HUNTER'S "Meadow Vale" Jersey Herd.

Cows of Herd in their Respective Classes.		Butter Fat.	Average per Cow.
		lbs.	lbs.
5 Mature Cows yielded		2,283·97	456·79
1 Second-calf Cow yielded	467·91 lbs.	..	467·91
Handicap of 50 lbs. each	50·00 „		
		517·91	
4 Heifers yielded	1,357·69 lbs.	..	339·42
Handicap of 75 lbs. each	300·00 „		
		1,657·69	
Herd total (including all handicap allowances)		4,459·57	445.96

2nd Mr. T. HARVEY'S "Jerseyholm" Jersey Herd.

Cows of Herd in their Respective Classes.		Butter Fat.	Average per Cow.
		lbs.	lbs.
6 Mature Cows yielded		2,658·52	443·08
3 Second-calf Cows yielded	1,229·92 lbs.	..	409·97
Handicap of 50 lbs. each	150·00 „		
		1,379·92	
3 Heifers yielded	961·65 lbs.	..	320·55
Handicap of 75 lbs. each	225·00 „		
		1,186·65	
Return (without herd allowance)		5,225·09	
12 Cows in herd allowed 6 lbs. each (the ½ lb. allowance per cow) ..		72·00	
Herd total (including all handicap allowances)		5,297·09	441·42

Averages of the First Twenty Herds.

Order of Merit.	Owner.	Breed.	Average Yield without any Allowance.						Herd Yield with all handicap allowances.
			Heifers.		2nd Calf.		Mature Cows.		
			No.	Butter Fat.	No.	Butter Fat.	No.	Butter Fat.	
				lbs.		lbs.		lb .	lbs. fat.
1	J. H. Hunter ..	Jersey ..	4	339·42	1	467·91	5	456·79	445·96
2	T. Harvey	„ ..	3	320·55	3	409·97	6	443·08	441·42
3	C. D. Lloyd	„ ..	2	273·74	3	446·77	5	404·12	420·84
4	W. Woodmason ..	„ ..	11	278·86	6	362·26	30	391·03	408·54
5	T. Mesley	„ ..	5	287·50	1	305·47	5	443·06	403·48
6	A. W. Jones	Friesian ..	8	298·81	6	356·30	3	427·98	403·93
7	C. G. Lyon and R. R. Kerr	Jersey ..	11	286·09	9	347·27	13	394·51	400·62
8	Leongatha High School	„ ..	2	272·48	3	314·16	6	398·87	385·57

AVERAGES OF THE FIRST TWENTY HERDS—*continued.*

Order of Merit.	Owner.	Breed.	Average Yield without any Allowance.						Herd Yield with all handicap allowances.
			Heifers.		2nd Calf.		Mature Cows.		
			No.	Butter Fat.	No.	Butter Fat.	No.	Butter Fat.	
				lbs.		lbs.		lbs.	lbs. fat
9	O. J. Syme	Friesian ..	4	296·74	1	389·81	15	371·07	384·64
10	A. W. Jones	Jersey ..	6	239·32	3	305·25	6	416·93	371·05
11	Geelong Harbor Trust ..	Ayrshire ..	6	265·24	6	309·54	10	359·05	365·05
12	Flack and Sewell ..	Friesian ..	6	297·34	8	280·95	6	307·50	346·33
13	Department of Agriculture	Red Poll ..	9	205·94	6	262·93	19	336·66	334·73
14	W. J. Muhlebach ..	Ayrshire ..	5	230·84	4	310·99	4	316·55	332·60
15	Sadler Brothers ..	,, ..	3	230·06	3	329·43	10	313·52	332·29
16	Mrs. E. M. Lennie ..	Jersey ..	2	150·93	4	308·38	5	332·29	327·94
17	Miss B. Reid	,, ..	5	208·30	6	288·68	7	317·23	323·96
18	Callery Brothers ..	Ayrshire ..	4	242·94	4	215·69	3	379·05	321·11
19	J. A. Lang	,, ..	12	217·10	12	266·97	14	261·64	307·74
20	Kerr Brothers ..	.. ..	..	..	8	257·91	6	273·44	300·14

COWS IN ORDER OF MERIT.

Cows over 4 Years of Age or on Third Lactation Period—250 lbs. Standard.

No.	Name	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
1	Dainty 6th	4099	T. Harvey ..	Jersey ..	11,033	5·27	581·49	Young Black Antimony
2	Garenne 2nd	3242	T. Mesley ..	,, ..	10,109	5·71	576·80	Skim of Dunalister
3	Mates 6th of Melrose ..	6306	J. H. Hunter ..	,, ..	11,866	4·68	554·90	Sunshine of Melrose
4	Beauty 4th of Somerville	..	J. Hutchinson ..	,, ..	10,536	5·15	543·22	Annette 2nd's Twylish of Kingsvale
5	Mermaid 4th of Melrose	6307	A. W. Jones ..	,, ..	8,599	6·30	541·76	Handsome Boy 3rd of Melrose
6	First Choice	372	Leongatha High School	,, ..	8,479	6·09	516·23	Black Prince of Mount Crawford
7	Trixie of Tarnpirr ..	5173	J. H. Hunter ..	,, ..	8,505	6·06	515·52	Morocco's Carnation Fox
8	Jenny Lind 10th of Melrose	6302	W. Woodmason ..	,, ..	9,276	5·42	514·00	First Choice of Melrose
9	Silvermine 16th of Banyule	5222	Finn Bros. ..	,, ..	9,186	5·49	504·54	Mabel's Chief (Imp.)
10	Bluebell of Warrook ..	2903	W. Henderson	Ayrshire	11,423	4·42	504·52	Alice's Jamie of Oakbank
11	Rarity 8th of Melrose ..	5560	J. H. Hunter	Jersey ..	9,441	5·33	503·65	Lady Melrose 2nd's Noble
12	Princess Victoria of Holmwood	5152	Lyon and Kerr	,, ..	10,311	4·87	502·05	Audrey's Lord Twylish
13	Maid of Sparrovale ..	3900	Geelong Harbor Trust	Ayrshire	11,366	4·41	501·14	Glen Elgin's Rover
14	Molly of Clover Flat ..	5487	Lyon and Kerr	Jersey ..	8,499	5·87	499·07	Mabel's Chief (Imp.)
15	Empress 2nd of Holmwood	4979	T. Harvey ..	,, ..	8,747	5·60	491·21	Audrey's Lord Twylish
16	Sweetbread 24th ..	2979	C. D. Lloyd ..	,, ..	9,617	5·09	489·56	Dairymaid's Champion
17	Dominion Violet Fobes	255	Flack and Sewell	Friesian	13,305	3·64	484·21	Woodcrest Joe

COWS OVER 4 YEARS OF AGE OR ON THIRD LACTATION PERIOD—250 LBS. STANDARD—*continued.*

No.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
18	Hyacinth	..	Department of Agriculture	Friesian	11,512	4·08	479·28	Oak de Kol 2nd's Homestead Fobes
19	Jubilee 15th	5056	A. W. Jones ..	Jersey ..	8,729	5·44	474·63	Navigator
20	Sunset Star of Dunalister	5927	Leongatha High School	„ ..	8,418	5·57	469·11	Lord Brighton of Dunalister
21	Graceful Duchess 14th of Melrose	5540	W. Woodmason	„ ..	7,566	6·16	466·09	Handsome Boy 5th
22	Lady Grey 1st of St. Albans	4186	A. W. Jones ..	„ ..	7,439	6·24	464·05	Garantie's Antimony
23	Latakia	..	Department of Agriculture	Red Poll	10,052	4·61	463·05	Nicotine
24	Lady Marge of Jerseyholm	4981	T. Harvey ..	Jersey ..	7,576	6·10	462·05	Sweet Fox 2nd's Champion
25	Latakia	..	Department of Agriculture	Red Poll	10,233	4·49	459·63	Nicotine
26	Jessie 6th of Melrose ..	4519	W. Woodmason	Jersey ..	7,445	6·05	450·67	Wild Rover
27	Bolobek Rose ..	319	A. W. Jones ..	Friesian	11,148	4·03	448·81	Colantha Pontiac
28	Duchess of Friesland Park	305	O. J. Syme ..	„	12,286	3·64	447·87	King of Dominos
29	Pretty May	3103	Lyon and Kerr	Jersey ..	8,445	5·30	447·63	Noble Lord
30	Domino's Hergeveld Belle	307	O. J. Syme ..	Friesian	12,145	3·68	446·49	King of Dominos
31	Handsome Girl 7th of Melrose	5541	W. Woodmason	Jersey ..	6,256	7·13	446·16	Pretty Noble (Imp.)
32	Silvermine 14th of Banyule	5220	Lyon and Kerr	„ ..	9,615	4·62	444·62	Mabel's Chief (Imp.)
33	Flower 6th of Melrose ..	3641	W. Woodmason	„ ..	8,503	5·20	442·51	Royal Blue
34	Marjorie of Langley Park	2839	Callery Bros. ..	Ayrshire	9,713	4·54	441·31	Royalty of Rythdale
35	Cutty	..	Department of Agriculture	Red Poll	10,274	4·30	441·28	Nicotine
36	Philomel	5255	T. Mesley ..	Jersey ..	8,619	5·10	439·29	Falcon
37	Jessie 13th of Melrose ..	5544	W. Woodmason	„ ..	6,604	6·58	434·73	Pretty Noble (Imp.)
38	Laura 9th of Melrose ..	5551	W. Woodmason	„ ..	6,498	6·68	434·29	Pretty Noble (Imp.)
39	Kirsty 5th	4100	T. Harvey ..	„ ..	7,435	5·84	434·29	Sweet Fox
40	Lassie Fowler 4th of Melrose	4522	W. Woodmason	„ ..	8,355	5·18	433·44	Pretty Noble
41	Rose of Sparrovale ..	3906	Geelong Harbor Trust	Ayrshire	9,181	4·71	432·88	Scottish King of Gowrie Park
42	Good News 2nd of Roxburgh	5124	T. Douglas ..	„	9,141	4·71	430·66	Jenny's Pride
43	Tabitha of Glencira ..	3213	J. A. Lang ..	„	9,330	4·57	426·82	Lad o' Kyle
44	Audrey of Somerville ..	5946	J. Hutchinson	Jersey ..	8,142	5·22	424·78	Annetts 2nd's Twylish of Kingsvale
45	Bolokeb Bess ..	311	A. W. Jones ..	Friesian	9,913	4·28	424·32	Rhoda Prince of Rubicon
46	Duplicate Posh Princess Ena	299	O. J. Syme ..	„	11,676	3·63	424·12	Duplicate Posh
47	Queen of Friesland Park	304	O. J. Syme ..	„	11,998	3·53	424·07	Colantha Sir Winana
48	Tonga	..	Department of Agriculture	Red Poll	9,986	4·24	423·83	Honingham Archbishop
49	Jenny Lind 9th of Melrose	5543	W. Woodmason	Jersey ..	6,779	6·25	423·67	Pretty Noble (Imp.)
50	Blanche Rose 10th ..	10892	W. K. Atkinson	Shorthorn	11,771	3·51	422·93	Poplar Prince 9th
51	Pearl of Hillcrest ..	6013	Mrs. E. M. Lennie	Jersey ..	8,745	4·82	422·32	Noble of Balwyn
52	Princess Royal of Springhurst	5403	Finn Bros. ..	„ ..	6,983	6·03	421·39	Young Defiance
53	White Stockings 4th ..	6062	C. D. Lloyd ..	„ ..	8,113	5·19	420·82	Cowslip's Golden Noble
54	Duplicate Posh Maud ..	300	O. J. Syme ..	Friesian	11,937	3·52	420·24	Duplicate Posh
55	Fuchsia of Warrook ..	2544	W. C. Greaves	Ayrshire	9,544	4·39	418·63	Alice's Jamie of Oakbank
56	Blossom 4th of Melrose	553	W. Woodmason	Jersey ..	7,504	5·58	418·52	Pretty Noble
57	Pibroch	5256	T. Mesley ..	„ ..	7,124	5·86	417·83	Skim of Dunalister
58	Phyllis of Ashby ..	330	Dickinson Bros.	Friesian	11,991	3·45	413·66	Pearl's Prince of Brundee
59	Bolobek Dolly Grey ..	308	O. J. Syme ..	„	11,674	3·56	413·14	Ragapple Korndyke 6th
60	Holly of Retreat ..	5387	W. J. Muhlebach	Ayrshire	8,733	4·73	412·83	Revenue of Retreat
61	La Charme	5248	T. Mesley ..	Jersey ..	7,484	5·51	412·60	Skim of Dunalister
62	Bluebell of Jerseyholm	5916	T. Harvey ..	„ ..	6,817	6·03	411·32	Venture's Hero
63	Princess Royal ..	355	A. W. Jones ..	Friesian	11,422	3·60	410·83	Pearl's Prince of Brundee
64	Lady Elector 3rd of Melrose	5549	W. Woodmason	Jersey ..	7,066	5·76	408·24	Pretty Noble
65	Chevy 9th of Melrose ..	6297	W. Woodmason	„ ..	6,683	6·09	406·76	Lady Melrose 2nd's Noble
66	Vanilla 7th of Melrose ..	5564	W. Woodmason	„ ..	6,532	6·22	406·29	Pretty Noble
67	Floss 2nd of Carracoorte	3982	W. Henderson	Ayrshire	11,023	3·68	405·78	Rufus of Oakbank
68	Lady Grey 8th of St. Albans	4187	A. W. Jones ..	Jersey ..	8,362	4·85	405·50	Navigator
69	Czarina of Springhurst..	4380	P. J. Maloney	„ ..	7,507	5·39	404·60	Young Defiance

COWS OVER 4 YEARS OF AGE OR ON THIRD LACTATION PERIOD—250 LBS. STANDARD—*continued.*

No.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
70	Bolobek May ..	310	O. J. Syme ..	Friesian	11,441	3·54	404·54	Indulge Johanna Lad
71	White Stockings 4th ..	6062	C. D. Lloyd ..	Jersey ..	7,872	5·05	397·90	Cowslip's Golden Noble
72	Waverly Lass 3rd of Melrose	6312	W. Woodmason	„ ..	6,043	6·53	394·78	Handsome Boy 5th of Melrose
73	Fairy Bell of Warenda	5241	Mrs. I. Beard..	„ ..	6,523	6·05	394·65	Young Foxy Boy
74	Hawthorn 5th of Banyule	5208	Lyon and Kerr	„ ..	7,420	5·30	393·69	Mabel's Chief (Imp.)
75	Creambread	4239	C. D. Lloyd ..	„ ..	6,694	5·86	392·05	Pretty Noble
76	Clover of Sparrovale ..	2872	Geelong Harbor Trust	Ayrshire	8,105	4·83	391·45	Glen Elgin's Rover
77	Frolic of Sparrovale ..	2874	Geelong Harbor Trust	„	9,196	4·23	389·10	Kemp of Glenarthur
78	Heather Bell of Springfield	4970	J. W. Cochrane	„	9,566	4·06	388·50	Scottish King
79	Graceful Duchess 11th of Melrose	4518	W. Woodmason	Jersey ..	6,377	6·06	386·80	Pretty Noble (Imp.)
80	Jessis's Pride of Bundarra	4263	H. W. D. Canobio	Ayrshire	9,608	3·98	382·93	Isabel's Pride of Gleneira
81	Young Perlaine of Ellerslie	2754	Sale High School	„	8,252	4·64	382·75	Young Field Marshall
82	Silver Bell of Kameruka	6038	Mrs. I. Alston	Jersey ..	6,580	5·81	382·54	Silver King
83	Nictatana	..	Department of Agriculture	Red Poll	8,138	4·69	381·37	Nicotine
84	Mountain Mist of Kameruka	6210	Miss B. B. Reid	Jersey ..	7,058	5·40	381·37	Jubilee May 7th's Prince
85	Daisy 7th of Melrose ..	5532	W. Woodmason	„ ..	6,861	5·56	381·36	Lady Melrose 2nd's Noble
86	Dominion Proud Lassie	368	Department of Agriculture	Friesian	11,013	3·46	380·65	Woodcrest Joe
87	Audrey's Lassie ..	825	Lyon and Kerr	Jersey ..	8,969	4·24	380·01	Audrey's Fox
88	Wattle of Springhurst ..	5408	P. J. Maloney	„ ..	8,092	4·69	379·91	Brighton Cub
89	Lady Choice of Tarnpirr	5160	C. G. Knight's Estate	„ ..	6,548	4·75	376·37	First Choice of Melrose
90	Bolobek Rhoda ..	309	O. J. Syme ..	Friesian	11,316	3·32	375·81	Rhoda's Prince of Rubicon
91	Mona's Pride of Woorayl	..	Leongatha High School	Jersey ..	6,096	6·16	375·52	Prince's Glory
92	Lily 5th of Holmwood	..	Lyon and Kerr	„ ..	7,047	5·30	373·47	Audrey's Lord Twylish
93	Treasure of Ben Kell ..	4589	R. Ralston ..	Ayrshire	9,595	3·88	373·29	Girvan of Oakbank
94	Hope 5th	2899	C. Falkenberg	Jersey ..	7,253	5·13	372·13	Twylish's Pride
95	Sarah of Glenalvie ..	4183	G. Gange ..	Ayrshire	7,474	4·96	371·10	Triumph of Gleneira
96	Gold Lace	..	Department of Agriculture	Red Poll	8,790	4·22	370·69	Nicotine
97	Retford Fawn ..	3056	Miss B. B. Reid	Jersey ..	6,268	5·91	370·23	Cherry's Pride 2nd
98	Escape of Murndal ..	..	Finn Bros. ..	„ ..	7,284	5·07	369·16	Canary's Lad 13th
99	Vanilla 11th of Melrose	..	W. Woodmason	„ ..	6,113	6·04	369·11	Handsome Boy 5th
100	Phyllis of Luscombe ..	5254	T. Mesley ..	„ ..	7,900	4·66	368·77	Skim of Dunalister
101	Flower 11th of Melrose	6298	W. Woodmason	„ ..	5,700	6·45	367·93	Top Notch of Melrose
102	Primrose of Melrose ..	..	W. Woodmason	„ ..	7,314	5·01	366·50	Pretty Noble
103	Lassie 4th of Clover Flat	5485	F. Raggatt ..	„ ..	7,490	4·88	365·65	Prince Noreen
104	Lady Perfection ..	4555	W. H. Waycotte	„ ..	5,970	6·11	364·80	Perfection's Lad of Kingsvale
105	Sweet Pansy 3rd of Melrose	5562	W. Woodmason	„ ..	5,882	6·20	364·49	Pretty Noble
106	Mystery 17th of Melrose	..	W. Woodmason	„ ..	6,130	5·94	364·33	Lady of Melrose 2nd's Noble
107	Dairymaid of Ben Kell	3048	R. Ralston ..	Ayrshire	8,100	4·49	364·03	Melville Duke
108	Briar	..	Department of Agriculture	Red Poll	8,175	4·45	364·00	Nicotine
109	Melodious	2336	Lyon and Kerr	Jersey ..	6,660	5·46	363·85	Starbright's Fox
110	Myra	..	Mrs. E. M. Lennie	„ ..	8,158	4·44	362·66	Fox's Nonpariel
111	Ontario	..	Department of Agriculture	Red Poll	8,893	4·07	361·99	Acton Dewstone
112	Jessie 15th of Melrose ..	5546	W. Woodmason	Jersey ..	5,843	6·19	361·47	Pretty Noble
113	Dominion Iona ..	263	Flack and Sewell	Friesian	12,148	2·97	361·37	Woodcrest Joe
114	Fuchsia 12th of Melrose	6299	C. J. Reid ..	Jersey ..	6,958	5·19	361·25	Pearl's Son of Melrose
115	Fuchsia 10th of Melrose	4516	W. Woodmason	„ ..	8,261	4·37	360·73	Mystery's Son of Melrose
116	Morven Duchess 13th ..	..	Kerr Bros. ..	Shorthorn	9,224	3·91	360·51	Charming Duke 27th
117	Ettie 5th of Banyule ..	5204	Lyon and Kerr	Jersey ..	7,276	4·95	360·43	Mabel's Chief
118	Flower of Sparrovale ..	3893	Geelong Harbor Trust	Ayrshire	7,501	4·79	359·64	Glen Elgin's Rover
119	Beryl of Gleneira ..	2441	L. McFarlane	„	8,796	4·08	359·14	Majestic of Oakbank
120	Melford Mascotte ..	5215	Lyon and Kerr	Jersey ..	6,082	5·88	357·43	Ledas Golden Fox
121	Tiny of Tarnpirr ..	5172	J. H. Hunter	„ ..	5,788	6·16	357·01	Morocco's Carnation Fox

COWS OVER 4 YEARS OF AGE OR ON THIRD LACTATION PERIOD—250 LBS. STANDARD—*continued.*

No.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
122	Empire 6th of Melrose	5534	W. Woodmason	Jersey ..	6,389	5·58	356·26	Pretty Noble
123	Buttercup of Bonshaw ..	..	P. J. Maloney	,, ..	6,678	5·32	355·54	Piolet of Tarnpirr
124	Nicety of Yalart ..	6850	Sadler Bros. ..	Ayrshire	8,228	4·32	355·37	Magician of Gleneira
125	Pearl of Friesland Park	306	O. J. Syme ..	Friesian	9,837	3·60	354·38	King of Dominos
126	Sweet Violet of Seafield	2536	A. Kirby ..	Ayrshire	7,259	4·86	352·91	Philosopher of Glengowrie
127	Ringtail of Tarnpirr ..	5170	J. H. Hunter	Jersey ..	6,595	5·63	352·89	Sport
128	Pansy 7th of Kyora ..	..	F. Bidgood ..	,, ..	7,388	4·78	352·83	Young Defiance
129	Graceful Duchess 10th of Melrose	3646	W. Woodmason	,, ..	5,458	6·46	352·73	Jessie's 4th Son of Melrose
130	Morven Queenie 9th ..	10896	W. K. Atkinson	Shorthorn	8,553	4·12	352·33	Manor York Rose 1st
131	Lady of Ecclefechan ..	2308	Sadler Bros. ..	Ayrshire	8 197	4·29	352·09	Adam of Coolangatta
132	Lady Burnbrae ..	4612	Sadler Bros. ..	,,	8,420	4·16	350·45	Prince Charlie of Lake View
133	Alma of Langley Park	3477	Callery Bros. ..	,,	8,662	4·04	350·04	Bonnie's Chief of Victoria Bank
134	Mona of Hillcrest ..	5926	Leongatha High School	Jersey ..	7,304	4·74	346·50	Black Prince of Mount Crawford
135	Blanchette 3rd ..	3753	A. W. Jones ..	,, ..	7,094	4·88	346·07	Garantie's Antimony
136	Pansy of Grahamsvale ..	5330	Mrs. L. Orchard	,, ..	6,220	5·56	346·01	Golden's Twylish
137	Snowflake of Rythdale	2842	Callery Bros. ..	Ayrshire	8,219	4·20	345·79	Isabel's Pride of Gleneira
138	Morea of Seafield ..	6237	J. W. Cochrane	,,	7,802	4.41	344·28	Philosopher of Glengowrie
139	Quality 6th of Melrose ..	3674	W. Woodmason	Jersey ..	7,358	4·68	344·24	Royal Blue
140	Mona of Hillcrest ..	5926	Leongatha High School	,, ..	7,550	4·56	344.03	Black Prince of Mount Crawford
141	Barbara of Brundee ..	298	O. J. Syme ..	Friesian	9,547	3·60	343·84	Eding Lassie
142	Pearl of Burnbrae ..	4620	Sadler Bros. ..	Ayrshire	8,227	4·17	343·16	Brae Loch
143	Fox's Chementine 2nd ..	4721	F. Bidgood ..	Jersey ..	6,362	5·39	342·64	Carnation's Fox
144	Pearl 2nd of Melrose ..	3670	W. Woodmason	,, ..	6,302	5·43	342.54	Jessie 4th's Son of Melrose 2nd
145	Mauve Lilac	..	Miss B. B. Reid	,, ..	6,075	5·63	342·04	Ironmaster
146	Dainty Maid	..	Lyon and Kerr	,, ..	6,274	5·45	341·93	Audrey's Lord Twylish
147	The Gift of Hillcrest ..	5928	Leongatha High School	,, ..	7,029	4·86	341·83	Duke of Hillcrest
148	Morven Queenie 8th ..	..	Kerr Bros. ..	Shorthorn	8,701	3·92	341·00	Manor York Rose 1st
149	Duchess 2nd of Mapleton	4480	J. H. Rogers ..	Ayrshire	9,073	3·75	340·78	Yorkshire Lad
150	Graceful Countess of Leisterfield	..	A. Jackson ..	Jersey ..	5,378	6·33	340·25	Handsome Boy 3rd
151	Starlight of Wethersdane	3305	C. Bamford ..	Ayrshire	8,452	4·02	339·87	Glen Elgin's Combine
152	Crocus of Springhurst ..	5393	J. D. Read ..	Jersey ..	6,454	5·26	339·55	Young Defiance
153	Zoe 6th of Banyule ..	6088	Lyon and Kerr	,, ..	5,358	6·34	339·46	Mystifier
154	Tulip of Bonshaw ..	..	Mrs. E. M. Lennie	,, ..	6,994	4·84	338·41	Piolet of Tarnpirr
155	Jessie of Willowvale ..	4647	W. J. McKernan	Ayrshire	7,024	4·81	337·72	Tarbolton of Oakbank
156	Bluebell of Sparrovale	3886	Geelong Harbor Trust	,,	8,110	4·16	337·54	Jock o' Gowrie
157	Balsam of Springhurst	4376	P. J. Maloney	Jersey ..	6,606	5·17	337·39	Young Defiance
158	Miss Twylight ..	4606	F. Bidgood ..	,, ..	6,163	5·46	336·75	Twylish's Queen Fox
159	Mona's Pearl	3577	Mrs. A. Black	,, ..	7,022	4·79	336·65	Prince Nita
160	Iris	..	Department of Agriculture	Red Poll	7,861	4·28	336·53	Nicotine
161	Bolobek Jean	320	O. J. Syme ..	Friesian	9,990	3·37	336·51	Indulge Johanna Lad
162	Peeress 2nd of Flinders	5407	L. McFarlane	Ayrshire	7,281	4·61	335·62	Rab of Oakbank
163	Leila of Warrook ..	5173	W. C. Greaves	,,	6,841	4·88	333·87	Minerva's Jamie of Warrook
164	Gaiety Girl 8th of Melrose	5537	W. Woodmason	Jersey ..	6,021	5·54	333·85	Pretty Noble (Imp.)
165	Dominion Flower Queen	257	Flack and Sewell	Friesian	9,289	3·59	333·40	Longbeach Primrose League
166	Madge	3575	Mrs. A. Black	Jersey ..	6,444	5·17	333·05	Rufus.
167	Nickahoe	..	Department of Agriculture	Red Poll	7,275	4·57	332·78	Nicotine
168	Daphne 13th	10895	W. K. Atkinson	Shorthorn	9.547	3·48	332·60	Blakeston Prince 18th
169	Bountiful of La Motte	5253	S. A. Johnson	Ayrshire	7,649	4·34	332·33	Lochinvar Prior Park
170	Lesbia of Yalart ..	3180	Sadler Bros. ..	,,	7,691	4·31	331·69	Tribune of Gleneira
171	Verona of Warrook ..	5174	W. C. Greaves	,,	7,843	4·22	330·90	Minerva's Jamie of Warrook
172	Glorious of Roxburgh ..	5123	J. A. Lang ..	,,	8,401	3·91	328·28	Jenny's Pride
173	Gwendoline of View Point	4969	J. W. Cochrane	,,	7,505	4·43	327·96	Hector of Mapleton
174	Annie of Taringa ..	4023	C. Falkenberg	Jersey ..	6,238	5·24	326·85	Golden Spark
175	Garnet	2443	A. H. Schier ..	Ayrshire	8,241	3·96	325·40	Prince Kyle of Gleneira
176	Get 2nd of Kilmarnock	5851	Sadler Bros. ..	,,	7,976	4·08	325·39	Blooming Boy of Gowrie Park
177	Zoe 5th of Warragaburra	1497	Lyon and Kerr	Jersey ..	5,672	5·73	325·02	Starbright's Fox

COWS OVER 4 YEARS OF AGE OR ON THIRD LACTATION PERIOD—250 LBS. STANDARD—*continued.*

No.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
178	Mulberry 2nd of Gleneira	3443	L. McFarlane	Ayrshire	8,511	3·82	324·82	Kyora of Haydowns
179	Philpail of Carracoorte	3980	W. Henderson	,,	7,817	4·15	324·32	Fritz of Rythdale
180	Shadow of Luscombe ..	6143	Mrs. I. Beard	Jersey	5,724	5·64	322·69	Skim of Dunalister
181	Princess 2nd of Retreat	5394	J. A. Lang ..	Ayrshire	7,334	4·38	321·27	Anthony of Gleneira
182	Gingerbread	5197	C. D. Lloyd ..	Jersey ..	5,864	5·46	320·28	Mabel's Chief (Imp.)
183	La Reina	..	Department of Agriculture	Red Poll	7,243	4·41	319·37	Tabacum
184	Jennie De Kol ..	301	O. J. Syme ..	Friesian	8,939	3·57	319·37	Duplicate Posh
185	Glenida	4954	Mrs. F. M. Akehurst	Jersey ..	5,678	5·59	317·54	Southern King
186	Panama	..	Department of Agriculture	Red Poll	7,944	4·00	317·53	Acton Dewstone
187	Blue Bell 2nd of Werribee	4604	F. Bidgood ..	Jersey ..	5,384	5·89	316·93	Northwood King
188	Comely of Wethersdane	4154	J. H. Rogers ..	Ayrshire	7,378	4·29	316·90	Glen Elgin's Combine
189	Pearl of Riverside ..	6827	J. H. Rogers ..	,,	7,171	4·42	316·83	Glen Elgin's Elite
190	Oatland's Polly ..	6016	J. Thorburn ..	,,	6,862	4·61	316·03	Captain Tasman
191	Docy of Yalart ..	3146	J. A. Lang ..	,,	6,945	4·54	315·34	Willie of Yalart
192	Maitland's Petal 3rd of Havilah	5212	J. Scott ..	Jersey ..	5,676	5.37	314.58	Silver Bell's Golden Lad
193	Cocky of Evergreen ..	6360	H. S. Gibson ..	Ayrshire	8,829	3·56	314·46	Duke of Wethersdane
194	Diana of Mapleton ..	3511	G. A. Kent ..	,,	7,448	4·19	312·53	Hero of Rythdale
195	Gentle of Evergreen ..	6361	H. S. Gibson ..	,,	7,183	4·35	312·34	Duke of Wethersdane
196	Bolobek Isabella ..	313	O. J. Syme ..	Friesian	9,289	3·36	312·23	Indulge Johanna Lad
197	Verbena of Springhurst	5407	J. D. Read ..	Jersey ..	6,854	4·55	311·86	Young Defiance
198	Princess Dot	497 C.S.J.H.B.	G. Rowe ..	,, ..	5,353	5·80	311·56	Kyabram Milklad
199	Lady Elector 2nd of Melrose	5548	W. Woodmason	,, ..	5,295	5·84	308·95	Pretty Noble
200	Gipsy Girl of Sparrovale	3894	Geelong Harbor Trust	Ayrshire	6,581	4·69	308·55	Scottish King of Gowrie Park
201	Dominion Violet Fobes	255	Flack and Sewell	Friesian	8,400	3·66	307·79	Woodcrest Joe
202	Peggy of Ricarton ..	6512	J. A. Lang ..	Ayrshire	6,838	4·49	307·32	Puritan
203	Flora of Sparrovale ..	3891	Geelong Harbor Trust	,,	6,011	5·11	307·23	Scottish King of Gowrie Park
204	Buttercup of Warrook	2539	W. Henderson	,,	7,400	4·15	307·01	Alice's Jamie of Oakbank
205	Rosalina of Glengarnock	2295	W. J. McKernan	,,	7,579	4·05	306·78	Glen Elgin's Philanthropist
206	My Queen of Tarnpirr	4209	C. G. Knight's Estate	Jersey ..	5,878	5·21	306·15	Morocco's Carnation Fox
207	Jubilee Cherry's Fawn	..	Miss B. B. Reid	,, ..	4,866	6·28	305·68	Castor's Premier
208	Possum of La Motte ..	6018	J. Thorburn ..	Ayrshire	6,559	4·63	303·91	Captain Tasman
209	Avesia	..	Department of Agriculture	Red Poll	7,648	3·97	303·83	Nicotine
210	Sweet Nell of Hillcrest	6019	Mrs. E. M. Lennie	Jersey ..	5,616	5·39	302·87	Black Prince of Mount Crawford
211	Twylight 6th of Melrose	..	F. Raggatt ..	,, ..	6,598	4·58	302·09	Wild Rover
212	Hillfield Maid ..	..	H. Stone ..	Shorthorn	7,201	4·19	302·01	
213	Cartoon 5th	317 C.S.J.H.B.	Miss B. B. Reid	Jersey ..	5,593	5·40	301·87	Streak o' Light
214	Roselcaf of Viewpoint ..	4975	J. W. Cochrane	Ayrshire	7,306	4·12	301·19	Hector of Mapleton
215	Trixie of Colac ..	4914	C. Falkenberg	Jersey ..	5,494	5·47	300·64	Handsome Progress
216	Daffodil of Springhurst	4381	J. D. Read ..	,, ..	5,045	5·96	300·59	Bulwark
217	Netherlana	..	Department of Agriculture	Red Poll	7,480	4·01	300·25	Melton Prince
218	Queen Elizabeth ..	..	Department of Agriculture	,,	6,600	2·54	299·51	Nicotine
219	Snowflake of Springhurst	5405	W. H. Waycotte	Jersey ..	6,114	4·89	299·07	Brighton Cub
220	Pansy of Retreat ..	4336	W. Muhlebach	Ayrshire	5,806	5·14	298·69	Anthony of Gleneira
221	Lotina's Lady ..	4286	Mrs. H. Luxton	Jersey ..	6,522	4·57	298·24	Lotina's Larkspur's Twylish
222	Doris 2nd of Kingsvale	4025	C. Falkenberg	,, ..	5,685	5·23	297·18	Canary's Lad 8th
223	Scotia	..	Mrs. M. E. Carroll	Red Poll	7,854	3·76	295·49	Nicotine
224	Peerless 12th of Melrose	6309	H. J. Monckton	Jersey ..	4,849	6·09	295·45	Lady 2nd's Melrose Noble
225	Maitland's Petal 2nd ..	3338	J. Scott ..	,, ..	4,968	5·91	295·36	Silver Bell's Golden Lad
226	Beauty	..	R. Lidgett ..	Shorthorn	6,749	4·34	293·31	Highton Prince 3rd
227	Madge of Medburn Grove	6112	C. Bamford ..	Ayrshire	7,283	4·02	292·72	Leo of Gleneira
228	Flossie 2nd of Raith ..	6522	Leslie and Gerrand	,,	7,185	4·05	291·28	Adella's Jamie of Raith
229	Rosalie of Yalart ..	6852	Sadler Bros. ..	,,	7,909	3·66	289·76	Nonsuch of Yalart
230	Ruffy of Ecclefechan ..	3086	Sadler Bros. ..	,,	7,154	4·05	289·68	Adam of Coolangatta
231	Empire 5th of Melrose	4515	W. Woodmason	Jersey ..	5,691	5·09	289·63	Pretty Noble
232	Lena of Carracoorte ..	3991	W. Henderson	Ayrshire	6,416	4·51	289·48	Minerva's Jamie of Warrook
233	Oatland's Tip ..	6017	J. Thorburn ..	,,	6,291	4·59	288·74	Young Poet
234	Eva of Glencairn ..	4410	G. Gange ..	,,	6,306	4·57	287·91	Zero of Rythdale

COWS OVER 4 YEARS OF AGE OR ON THIRD LACTATION PERIOD—250 LBS. STANDARD—*continued.*

No.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
235	Myrtle 7th	..	R. Lidgett ..	Shorthorn	6,909	4·16	287·65	Martha's Duke 3rd
236	Belle of Sparrovale ..	3883	Geelong Harbor Trust	Ayrshire	6,060	4·74	287·35	Stuart of Gowrie Park
237	Lucy of Staghorn ..	..	F. Bidgood ..	Jersey ..	5,715	5·01	286·41	Favourite's Noble
238	Sylvan Maid of Glen Alvie	5408	L. McFarlane	Ayrshire	7,169	3·99	286·26	Stately of Gleneira
239	Lucerne of Springhurst	5399	J. D. Read ..	Jersey ..	5,127	5·57	285·77	Young Defiance
240	Maitland's Petal ..	3338	J. Scott ..	,, ..	5,150	5·55	285·77	Navigator
241	Daffodil	157 C.S.J.H.B.	G. Rowe ..	,, ..	6,844	4·16	284·48	Starbright's Carnation Fox
242	Werribee Northern Larkspur 2nd	..	F. Bidgood ..	,, ..	5,212	5·46	284·45	Attraction's Fox
243	Annie G. of Tarnpirr ..	6022	Mrs. I. Alston	,, ..	5,274	5·38	283·76	First Choice of Melrose
244	Nightshade of Springhurst	3707	J. D. Read ..	,, ..	5,997	4·72	283·02	Young Defiance
245	Morocco	..	Department of Agriculture	Red Poll	8,138	3·46	282·19	Ganymede
246	Creamy of Leisterfield ..	..	A. Jackson ..	Jersey ..	6,261	4·50	282·07	Handsome Boy 3rd
247	Brighton Princess of Springhurst	5391	J. D. Read ..	,, ..	5,266	5·34	281·49	Brighton Cub
248	Mayflower of Springfield	..	W. Henderson	Ayrshire	7,370	3·81	280·87	Philosopher of Glengowrie
249	Lady Merlin of Colac ..	5890	C. Falkenberg	Jersey ..	4,929	5·70	280·83	Merlin
250	Pearl of Ben Kell ..	3052	R. Ralston ...	Ayrshire	6,824	4·11	280·70	Melville Duke
251	Fancy of Medburn Grove	6109	C. Bamford ..	,,	7,502	3·73	279·79	Leo of Gleneira
252	Bolobek Ethel* ..	302	O. J. Syme ..	Friesian	6,972	4·00	279·25	Ragapple Korndyke
253	Daisy 5th of Holmwood	4978	T. Harvey ..	Jersey ..	6,065	4·59	278·21	Audrey's Lord Twylish
254	Flower Queen ..	4285	Meir Bros. ..	,, ..	5,308	5·21	276·82	Lotina's Larkspur Twylish
255	Thelma of Carracoorte	4002	W. Henderson	Ayrshire	7,005	3·94	276·64	Realist of Oakbank
256	Gladsome of Medburn Grove	6110	C. Bamford ..	,,	6,396	4·32	276·47	Leo of Gleneira
257	Banksia of Springhurst	5387	Mrs. I. Beard..	Jersey ..	4,932	5·60	276·45	Bulwark
258	Gertie of Warrook ..	3986	W. Henderson	Ayrshire	5,686	4·86	276·38	Fashionable
259	Dewberry of Blackwood Park	4178	J. H. Rogers ..	,,	5,502	5·02	276·06	Maxim of Oakbank
260	May of Sparrovale ..	3902	Geelong Harbor Trust	,,	6,489	4·24	275·63	Scottish King of Gowrie Park
261	Iris of Carracoorte ..	..	W. Henderson	,,	7,475	3·68	274·95	Glen Iris of Willowvale
262	Argus of Raith ..	6519	Leslie and Gerrand	,,	7,218	3·79	273·27	Adella's Jamie of Oakbank
263	Mermaid 2nd of Woolamai	5273	G. A. Kent ..	,,	6,291	4·32	271·78	Highlander of Midbranch
264	Madeira Flinders ..	1740	Sale High School	,,	7,005	3·88	271·58	Landlord
265	Holly of Ayrshire Bank	2066	A. E. Spiers ..	,,	7,347	3·69	270·90	Luminous of Oakbank
266	Blanche of Golden Vein	7467	J. A. Lang ..	,,	6,538	4·12	269·66	Bonnie Lad of Golden Vein
267	Lady Grey 5th of St. Albans	5058	A. W. Jones ..	Jersey ..	4,813	5·60	269·60	Sweet Fox
268	Cherry 5th	10893	W. K. Atkinson	Shorthorn	6,927	3·89	269·45	White Clinker
269	Betsy 2nd of Carracoorte	3968	W. Henderson	Ayrshire	6,254	4·29	268·11	Fritz of Rythdale
270	Willoh's Dagmar ..	551 C.S.J.H.B.	Miss B. B. Reid	Jersey ..	5,059	5·28	267·13	Mauve's Willoh (Imp.)
271	Peggy 3rd of Summerhill	5325	Leslie and Gerrand	Ayrshire	6,266	4·26	266·75	Anither of Golden Vein
272	Beauty of Retreat ..	4322	W. J. Muhlebach	,,	7,115	4·17	266·68	Purity's Douglas
273	Marie of Tarnpirr ..	6029	C. G. Knight's Estate	Jersey ..	4,578	5·82	266·31	First Choice of Melrose
274	Treasure of Ben Kell ..	4589	R. Ralston ..	Ayrshire	6,720	3·96	266·04	Girvan of Oakbank
275	Rosebloom of Carracoorte	..	W. Henderson	,,	6,207	4·28	265·85	Victorious of Warrook
276	Countess of Golden Vein	2976	J. A. Lang ..	,,	6,672	3·98	265·57	Anither of Oakbank
277	Lustre of Gleneira ..	3439	J. A. Lang ..	,,	6,729	3·94	265·50	Kyora of Haydowns
278	Dear of Midbranch ..	4628	A. H. Schier ..	,,	6,543	4·04	264·34	Havilock
279	Joan of La Motte ..	5257	S. A. Johnson	,,	6,597	4·00	264·23	Lochinvar of Prior Park
280	Bolobek Belle ..	303	O. J. Syme ..	Friesian	6,821	3·87	264·22	King Isabella Walker
281	Greatness of Roxburgh	5125	T. Douglas ..	Ayrshire	6,075	4·35	264·09	Glen Elgin's Grand Duke
282	Blanche 4th of Balvormie	4625	A. H. Schier ..	,,	5,815	4·47	259·84	Isaac of Balvormie
283	Murmur 4th of Gleneira	6644	F. McIver ..	,,	6,285	4·13	259·49	Kyora of Haydowns
284	Dorothy of View Point	6476	G. A. Kent ..	,,	7,529	3·43	258·29	Glen Elgin's Augustus
285	Bess of Gleneira ..	7707	A. H. Schier ..	,,	6,533	3·95	258·16	Rab of Gleneira
286	Pansy of Retreat ..	4336	W. J. Muhlebach	,,	6,050	4·26	258·00	Anthony of Gleneira
287	Red Rose of Fern Hill..	6349	W. A. Francis	,,	6,155	4·17	256·92	Renown of Oakbank
288	Viola 5th	4004	W. Henderson	,,	6,039	4·24	256·33	Triumph of Gleneira
289	Bud 2nd of Glengowrie	3850	J. W. Cochrane	,,	5,437	4·71	256·23	Jamie's Baronet of Glengowrie

* Died before completion.

COWS OVER 4 YEARS OF AGE OR ON THIRD LACTATION PERIOD—250 LBS. STANDARD—*continued*

No.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
290	Infanta of Springhurst	5396	J. D. Read	Jersey	4,899	5·22	255·99	Young Defiance
291	Laura of Carracoorte	3989	W. Henderson	Ayrshire	6,391	4·00	255·86	George of Warrook
292	Lizzie 2nd of Warrook	3994	W. Henderson	,,	5,439	4·67	254·08	Future's Conservative
293	Bountiful of Roxburgh	..	S. A. Johnson	,,	5,265	4·82	253·81	Wakeful of Roxburgh
294	Gladys of Ellerslie	4810	Sale High School	,,	5,321	4·76	253·35	Young Field Marshall
295	Gertie of Carracoorte	3985	W. Henderson	,,	4,901	5·16	253·01	George of Warrook
296	Retford Ethel	6211	Miss B. B. Reid	Jersey	4,493	5·61	252·28	Diana's Lad
297	Berry of Warrook	2901	W. Henderson	Ayrshire	5,450	4·63	252·28	Beryl's Conservative
298	Pearl of Medburn Grove	3803	C. Bamford	,,	6,323	3·96	250·94	Leo of Gleneira
299	Morven Lizzie 7th	..	Kerr Bros.	Shorthorn	6,488	3·87	250·85	Manor York Rose
300	Get of Kilmarnock	3092	Sadler Bros.	Ayrshire	7,224	3·46	250·28	Ada's Douglas
301	Susie	..	R. Lidgett	Shorthorn	6,042	4·14	250·03	30th Duke of Chester

Cows under 4 Years of Age—200 lbs. Standard.

Order of Merit.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
1	Starbright 9th	..	C. D. Lloyd	Jersey	9,690	6·01	582·07	Island Butter King
2	Beauty of Tarnpirr	6023	A. W. Jones	,,	6,806	6·98	475·05	First Choice of Melrose
3	Peerless 13th of Melrose	..	J. H. Hunter	,,	8,744	5·35	467·91	Handsome Boy 5th
4	Rarity 10th of Melrose	..	W. Woodmason	,,	6,590	6·79	447·58	Handsome Boy 5th
5	Pauline of Ashby	383	Dickenson Bros.	Friesian	13,755	3·24	445·78	Pearl's Prince of Brundee
6	Mary Anne of Banyule	6072	Lyon and Kerr	Jersey	8,015	5·51	441·34	Earl Twylish of Kameruka
7	Mistletoe 2nd of Tarnpirr	6030	Mrs. E. Sims	,,	7,781	5·55	431·59	First Choice of Melrose
8	Our Choice of Tarnpirr	6034	P. J. Maloney	,,	7,085	6·09	431·20	First Choice of Melrose
9	Werribee Northwood Maderia 6th	..	C. D. Lloyd	,,	6,728	6·33	426·10	Northwood King
10	Bolobek Rose	..	A. W. Jones	Friesian	10,048	4·21	423·07	Colantha Ponteac
11	Sparkle 2nd of Jerseyholm	5920	T. Harvey	Jersey	6,283	6·60	414·88	Venture's Hero
12	Daisy 6th of Jerseyholm	5917	T. Harvey	,,	7,600	5·45	414·56	Emperor of Jerseyholm
13	Poppy of Ben Kell	4584	R. Ralston	Ayrshire	8,488	4·86	412·29	Girvan of Oakbank
14	Kirsty 7th of Jerseyholm	5918	T. Harvey	Jersey	6,808	5·88	400·48	Venture's Hero
15	Her Royal Highness	359	A. W. Jones	Friesian	12,624	3·13	395·56	Pearl's Prince of Brundee
16	Mermaid of Retreat	4334	W. J. Muhlebach	Ayrshire	8,406	4·69	394·41	Anthony of Gleneira
17	Pearl of Willow Park	10266	W. K. Atkinson	Shorthorn	10,429	3·77	393·31	Havelock of Darbarlara
18	Lily 4th of Banyule	..	Lyon and Kerr	Jersey	7,055	5·57	393·02	Dorothy's Pride of Holmwood
19	Jessie 20th of Melrose	..	W. Woodmason	,,	5,088	6·54	391·21	Handsome Boy 5th
20	Bolobek Amabel	317	O. J. Syme	Friesian	8,984	4·34	389·81	Indulge Johanna Lad
21	Mona's Pride of Woorayl	..	Leongatha High School	Jersey	5,515	6·93	381·97	Prince's Glory
22	Lady Louie of View Point	4614	Sadler Bros.	Ayrshire	9,050	4·14	375·60	Jimmie of View Point
23	Cloudy of Somerville	..	J. Hutchinson	Jersey	6,651	5·60	372·36	Annette 2nd's Twylish of Kingsvale
24	Melba of Ballarat	356	A. W. Jones	Friesian	9,308	3·93	365·80	Pearl's Prince of Brundee
25	Miss Muller 2nd of Berry	..	Flack and Sewell	,,	9,366	3·90	365·29	Sultan La Polka
26	Satinbird of Burnbrae	4621	Sadler Bros.	Ayrshire	8,177	4·45	363·74	Bonnie King of Gowrie Park
27	Vanilla 11th of Melrose	..	W. Woodmason	Jersey	6,205	5·83	361·95	Handsome Boy 5th
28	Bolobek Brenda	..	A. W. Jones	Friesian	9,603	3·76	361·62	Indulge Johanna Lad
29	Collingwood Beauty	321	Department of Agriculture	Jersey	5,222	6·84	357·49	Lady's Fox of Collingwood
30	Marguirite 2nd	..	Mrs. A. Black	,,	7,630	4·64	356·51	Obelisk
31	Jubilee Red Rose	..	Miss B. B. Reid	,,	6,558	5·43	356·15	Twylish's Madeira's Fox 2nd
32	Pidgeon of Kameruka	6035	Mrs. I. M. Alston	,,	6,821	5·22	355·83	Silver King
33	Sybil of Sparrovale	3907	Geelong Harbor Trust	Ayrshire	7,682	4·61	353·95	Stuart of Gowrie Park
34	Daisy Bell of Retreat†	4326	W. J. Muhlebach	,,	7,698	4·51	346·96	Musician of Willow Vale
35	Primrose of Bonshaw	..	Mrs. E. M. Lennie	Jersey	6,688	5·18	345·67	Piolet of Tarnpirr

† Calved prematurely.

COWS UNDER 4 YEARS OF AGE—200 LBS. STANDARD—*continued.*

Order of Merit.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
36	Tiddlewinks 3rd ..	..	Lyon and Kerr	Jersey ..	5,835	5·92	345·43	Pearl's Prince of Holmwood
37	Soprano 2nd of Banyule	6081	Lyon and Kerr	,, ..	6,074	5·68	345·13	Mabel's Chief (Imp.)
38	Stumpy of Holmwood ..	..	Mrs. E. M. Lennie	,, ..	6,746	5·11	344·54	Audrey's Lord Twylish
39	Hawthorn 7th of Banyule	6068	Lyon and Kerr	,, ..	6,231	5·51	343·13	Mabel's Chief
40	Frolic of Golden Vein ..	5424	J. A. Lang ..	Ayrshire	7,442	4·60	342·35	Bonnie Lad
41	Maisie of Sparrovale ..	3901	Geelong Harbor Trust	,,	7,803	4·38	342·34	Stuart of Gowrie Park
42	Starfinch 3rd of Banyule	6082	Lyon and Kerr	Jersey ..	5,708	5·98	341·44	Mabel's Chief
43	Pansy of Medburn Grove	4860	C. Bamford ..	Ayrshire	8,712	3·88	338·26	Leo of Glencira
44	My Hope of Kameruka	6032	Mrs. E. Sims ..	Jersey ..	7,004	4·80	336·50	Twylish's Pride
45	Leila of Warrook ..	5173	W. C. Greaves	Ayrshire	6,656	5·01	333·69	Minerva's Jamie of Warrook
46	Edith 6th of Melrose ..	5534	W. Woodmason	Jersey ..	5,485	6·08	333·31	Handsome Boy 5th of Melrose
47	Graceful Duchess 17th of Melrose	..	W. Woodmason	,, ..	5,131	6·49	333·08	Handsome Boy 5th of Melrose
48	Gingercake of Glen Iris	6057	C. D. Lloyd ..	,, ..	5,797	5·73	332·13	Brown Chief
49	Milkmaid of Ricarton ..	6505	J. A. Lang ..	Ayrshire	7,438	4·46	331·98	White Prince of Glencira
50	Dominion Queen Mercedes	..	Flack and Sewell	Friesian	9,063	3·64	330·23	Woodcrest Joe
51	Woodnymph	..	Department of Agriculture	,,	10,598	3·11	328·71	Woodcrest Joe
52	Ixia of Springhurst	5397	C. Deverell ..	Jersey ..	6,749	4·86	327·99	Brighton Cub
53	Lady 2nd of Bonshaw ..	7170	P. J. Maloney	,, ..	6,619	4·94	327·18	Laddie 2nd of Banyule
54	Dutch Girl 2nd of Berry	..	Flack and Sewell	Friesian	8,046	4·06	327·06	Sultan La Polka
55	Myrtle of Springfield ..	4974	J. W. Cochrane	Ayrshire	6,791	4·81	326·68	Glen Elgin's Ian
56	Jubilee Twylight Rambler	..	Miss B. B. Reid	Jersey ..	5,466	5·97	326·60	Twylish Madeira's Fox 2nd
57	Bramble	..	Department of Agriculture	Red Poll	7,744	4·18	323·82	Billigerent
58	Maggie of Ashby ..	260	Dickenson Bros.	Friesian	8,793	3·68	323·42	Pearl's Prince of Brundee
59	Fairy of Warrook ..	5170	W. C. Greaves	Ayrshire	6,701	4·76	319·28	Minerva's Jamie of Warrook
60	Fashion of Warrook ..	5171	W. C. Greaves	,,	5,947	5·36	318·59	Minerva's Jamie of Warrook
61	Daisy of Sparrovale ..	3888	Geelong Harbor Trust	,,	6,241	4·93	316·71	Scottish King of Gowrie Park
62	Meadow Sweet of Sparrovale	3903	Geelong Harbor Trust	,,	7,038	4·49	316·37	Jock of Sparrovale
63	Phœbe of Ashby ..	333	Dickenson Bros.	Friesian	9,030	3·50	316·17	Pearl's Prince of Brundee
64	Empress 2nd of Golden Vein	5420	Warrnambool High School	Ayrshire	7,528	4·15	312·40	Advance of Golden Vein
65	Silvermine 17th of Banyule	6079	Lyon and Kerr	Jersey ..	5,984	5·21	311·74	Mabel's Chief
66	Dominion Fayne Segis	..	Flack and Sewell	Friesian	8,707	3·58	311·38	Longbeach Primrose League
67	Sweet Pansy 5th of Melrose	..	G. Rowe ..	Jersey ..	4,747	6·54	310·69	Handsome Boy 5th of Melrose
68	Thora 4th of Banyule ..	6083	Lyon and Kerr	,, ..	5,709	5·43	310·21	Retford Castor
69	Violation	..	Department of Agriculture	Red Poll	6,804	4·55	309·72	Billigerent
70	Molline of La Motte	5259	S. A. Johnson	Ayrshire	6,021	5·13	309·02	Captain Tasman
71	Jonquil of Springhurst ..	5398	J. D. Read ..	Jersey ..	5,208	5·91	307·96	Attraction of Springhurst
72	Merella 2nd of Yarra Brae	5668	Mrs. E. M. Lennie	,, ..	4,553	6·76	307·87	Starbright Rennard
73	Alice	..	Leongatha High School	,, ..	4,802	6·41	307·78	Empire 4th's Son of Melrose
74	Queen Betty	211	A. W. Jones ..	Friesian	8,115	3·79	307·70	Pearl's Prince of Brundee
75	Graceful Duchess 18th of Melrose	..	W. Woodmason	Jersey ..	4,432	6·91	306·44	Handsome Boy 5th
76	Morven Duchess 13th	..	Kerr Bros. ..	Shorthorn	7,478	4·08	305·51	Charming Duke 27th
77	Belle of Warenda ..	..	T. Mesley ..	Jersey ..	4,392	6·95	305·47	Jessie's Handsome Boy
78	Iris 2nd of Carracoorte ..	..	W. Henderson	Ayrshire	7,115	4·29	304·99	Victorious of Warrook
79	Jubilee Daffodil ..	..	Miss B. B. Reid	Jersey ..	6,212	4·86	301·66	Jubilee May 2nd's Prince
80	Peaceful of Raith ..	5325	Leslie and Gerrand	Ayrshire	6,893	4·30	300·19	Adella's Jamie of Raith
81	Goodness of Roxburgh	3822	J. A. Lang ..	,,	7,154	4·15	296·99	Glen Elgin's Grand Duke
82	Ottawa	..	Department of Agriculture	Red Poll	8,155	3·64	296·64	Nicotine

COWS UNDER 4 YEARS OF AGE—200 LBS. STANDARD—*continued.*

Order of Merit.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
83	Berylan of Ricarton ..	6493	J. A. Lang ..	Ayrshire	6,711	4·38	294·28	White Prince of Glencira
84	Lassie 7th of Banyule ..	6069	Lyon and Kerr	Jersey ..	4,916	5·98	294·00	Mabel's Chief
85	Jubilee Wynda Wildflower	..	Miss B. B. Reid	,, ..	4,887	5·98	290·92	Twylish Madeira's Fox 2nd
86	Lantana of Springhurst	6204	J. D. Read ..	,, ..	4,957	5·86	290·62	Fisher of Springhurst
87	Seaweed of Springhurst	6208	Finn Bros. ..	,, ..	4,905	5·87	288·05	Investigator of Melrose
88	Daphne of Ayrbrae ..	5403	L. McFarlane	Ayrshire	7,879	4·88	286·92	Earl of Drayton
89	Science of Springhurst	6207	Finn Bros. ..	Jersey ..	4,930	5·81	286·47	Brighton Cub
90	Morven Duchess 15th ..	..	Kerr Bros. ..	Shorthorn	7,706	3·70	285·11	Morven York Rose 10th
91	Norah's Pearl ..	363	A. W. Jones ..	Friesian	7,860	3·61	284·03	Pearl's Prince of Brundee
92	Babe of Medburn Grove	..	C. Bamford ..	Ayrshire	6,923	4·09	283·11	Leo of Glencira
93	Gem of Roxburgh ..	5120	J. A. Lang ..	,,	7,058	3·99	281·60	Glen Elgin's Grand Duke
94	Daphne of Glencira ..	4921	F. M. McIver ..	,,	5,772	4·87	281·33	Kyora of Haydowns
95	Roan Ada 4th ..	..	F. Sadler ..	Shorthorn	7,922	3·54	280·39	43rd Earl of Pentland
96	Epauletta	..	Department of Agriculture	Red Poll	5,484	5·06	277·40	Billigerent
97	Lady Grey 7th of St. Albans	..	A. W. Jones ..	Jersey ..	5,320	5·19	276·49	Sweet Fox
98	Morven Queenie 10th ..	..	Kerr Bros. ..	Shorthorn	6,859	4·03	276·48	Charming Duke 27th
99	Last Rose of Medburn Grove	..	C. Bamford ..	Ayrshire	5,981	4·60	275·27	Leo of Glencira
100	Duchess of Sparrovale	3889	Geelong Harbor Trust	Ayrshire	6,795	4·06	274·82	Stuart of Gowrie Park
101	Dairymaid of Ricarton	6495	J. A. Lang ..	,,	5,053	5·43	274·24	White Prince of Glencira
102	Daffodil of Retreat ..	5383	W. J. Muhlebach	,,	6,452	4·24	273·40	Anthony of Glencira
103	Esme of Ricarton ..	6500	J. A. Lang ..	,,	6,690	4·06	271·94	White Prince of Glencira
104	Mountain Princess of Langley Park	3480	Callery Bros. ..	,,	6,014	4·49	270·22	Bonnie's Chief of Victoria Bank
105	Dominion Cora ..	..	Flack and Sewell	Friesian	7,064	3·81	268·89	Oak de Kol
106	Gracie of Retreat* ..	5386	W. J. Muhlebach	Ayrshire	5,388	4·99	268·85	Musician of Willow Vale
107	May of Jerseyvale ..	..	Mrs. L. Orchard	Jersey ..	5,109	5·25	268·34	Golden's Twylish
108	Proud Lassie of Yarra Brae	6527	S. S. Cameron	,, ..	5,125	5·21	266·82	Laddie 10th of Banyule
109	Winsome of Woolamai Park	5276	G. A. Kent ..	Ayrshire	6,269	4·23	265·34	Jamie of Ellerslie
110	Mabel of Simpson House	5127	A. H. Schier ..	,,	5,575	4·75	264·95	Annie's Luminous
111	Maiden of Ayrbrae ..	5404	L. McFarlane ..	,,	6,300	4·15	261·64	Maroi Prince of Glen Alvie
112	Dime of Ricarton ..	6496	J. A. Lang ..	,,	5,566	4·68	260·50	White Prince of Glencira
113	Dauphine of Springhurst	6202	J. D. Read ..	Jersey ..	4,339	6·00	260·47	Investigator of Melrose
114	Begum of Springhurst ..	5388	J. D. Read ..	,, ..	4,643	5·48	254·38	Investigator of Melrose
115	Jessie of Willow Vale ..	4647	W. J. McKernan	Ayrshire	5,360	4·74	254·06	Tarbolton of Oakbank
116	Beatrice of Sparrovale	3882	Geelong Harbor Trust	,,	6,811	3·71	253·05	Stuart of Gowrie Park
117	Surprise	..	Leongatha High School	Jersey ..	3,804	6·64	252·75	Prince's Glory
118	Noble's Coquette ..	..	Miss B. B. Reid	,, ..	4,625	5·43	251·54	Castor's Premier (Imp.)
119	Lena of Golden Vein ..	5427	J. A. Lang ..	Ayrshire	6,152	4·09	251·04	Bonnie Lad of Golden Vein
120	Daffodil of Jerseyvale ..	..	Mrs. L. Orchard	Jersey ..	4,771	5·25	250·63	Golden's Twylish
121	Morven Duchess 14th ..	..	Kerr Bros. ..	Shorthorn	7,017	3·57	250·47	Charming Duke 27th
122	Canary of Leisterfield ..	..	A. Jackson ..	Jersey ..	4,588	5·44	249·79	Leisterfield Boy
123	Thelma of View Point	4622	Sadler Bros. ..	Ayrshire	6,529	3·98	248·95	Jimmie of View Point
124	Marguirite of Glengowrie	4632	A. H. Schier ..	,,	5,498	4·49	247·11	Orpheus of Glengowrie
125	Elsa of Willow Vale* ..	5360	W. Meredith ..	,,	5,278	4·68	247·08	Tarbolton of Oakbank
126	Morven Lizzie 10th ..	..	Kerr Bros. ..	Shorthorn	6,618	3·71	245·90	Morven York Rose 10th
127	Pentland's Bloom 2nd	..	R. Lidgett ..	,,	5,788	4·21	243·85	Duke of Chester
128	Hookah	..	Department of Agriculture	Red Poll	6,383	3·80	243·59	Longford Major
129	Morven Ruby 2nd ..	..	Kerr Bros. ..	Shorthorn	6,401	3·79	242·73	Charming Duke 27th
130	Young Madeira of La Trobe	4814	Sale High School	Ayrshire	5,923	4·04	239·56	Norm of Mapleton
131	Morven Cressider 2nd ..	..	Kerr Bros. ..	Shorthorn	6,000	3·94	236·19	Charming Duke 27th
132	Tulip 2nd of Bonshaw	..	Mrs. E. M. Lennie	Jersey ..	5,009	4·70	235·50	Laddie 2nd of Banyule
133	Rosalla of Carracoorte	..	W. Henderson	Ayrshire	5,422	4·32	234·07	Fritz of Rythdale
134	Chenille of Warradale ..	5870	J. A. Lang ..	,,	6,095	3·82	233·66	Paranous of Warradale

* Sold before completion.

COWS UNDER 4 YEARS OF AGE—200 LBS. STANDARD—*continued.*

Order of Merit.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
135	Nellie of La Trobe ..	4811	Sale High School	Ayrshire	5,245	4·41	231·40	Adella's Jamie of Raith
136	Modesty of Retreat ..	4335	W. J. Muhlebach	,,	4,981	4·60	229·20	Anthony of Gleneira
137	Camillia of Springhurst	6200	Mrs. I. Beard..	Jersey ..	4,088	5·57	227·82	Investigator of Melrose
138	Art of Springhurst ..	6199	J. D. Read ..	,, ..	5,450	4·16	226·66	Brighton Cub
139	Baronia 2nd of Pine Grove	4626	A. H. Schier ..	Ayrshire	5,013	4·51	226·32	Glenkeith of Pine Grove
140	Ida of Sparrovale ..	3895	F. McIver ..	,,	5,731	3·94	226·14	Stuart of Gowrie Park
141	Dominion Iona ..	..	Flack and Sewell	Friesian	6,583	3·42	224·91	Wooderest Joe
142	Poplar Vale Princess 28th	..	F. Sadler ..	Shorthorn	5,383	4·13	222·28	Manor Monarch 16th
143	Morven Daisy 4th ..	..	Kerr Bros. ..	,,	5,402	4·07	220·86	Charming Duke 27th
144	Geranium of Langley Park	6180	Callery Bros. ..	Ayrshire	5,049	4·31	217·61	Bonnie Chief
145	Flossie of Kelburn ..	..	A. Jackson ..	Jersey ..	3,635	5·98	217·33	Handsome Boy 5th
146	Primrose 2nd of Pine Grove	4640	A. H. Schier ..	Ayrshire	5,029	4·29	215·73	Glenkeith of Pine Grove
147	Lady Duchess of Ben Kell	4578	R. Ralston ..	,,	5,596	3·85	215·66	Girvan of Oakbank
148	Dominion Flower 2nd* ..	..	Flack and Sewell	Friesian	5,584	3·86	215·65	Longbeach Primrose League
149	Lotus Lily 2nd of Staghorn	5593	F. Bidgood ..	Jersey ..	3,889	5·45	211·99	Favourite Noble of Kyora
150	Kyora's Defender's May 3rd	..	Miss L. Robinson	,, ..	4,025	5·22	211·60	Lotina's Defender
151	Phyllis of Glengowrie ..	4639	A. H. Schier ..	Ayrshire	4,294	4·91	210·81	Jellicoe of Oakbank
152	Rosebud of Holly Green	4782	H. L. Webb ..	,,	5,020	4·14	207·60	Rex of Oakbank
153	Clover of Springhurst ..	6201	J. D. Read ..	Jersey ..	3,595	5·73	206·01	Brighton Cub
154	Jubilee Hydranger ..	..	Miss B. B. Reid	,, ..	4,096	5·01	205·24	Twylish Madeira's Fox 2nd
155	Holland Lass 2nd of Berry	..	Flack and Sewell	Friesian	5,196	3·93	204·20	Sultan La Polka
156	Dolichos of Springhurst	6203	J. D. Read ..	Jersey ..	4,208	4·85	204·16	Brighton Cub
157	Duchess of Pentland 30th	..	H. Lidgett ..	Shorthorn	4,880	4·16	203·36	Highton Duke 56th
158	Acacia of Springhurst ..	6198	J. D. Read ..	Jersey ..	3,526	5·73	202·21	Fisher of Springhurst

* Withdrawn before completion.

Heifers—175 lbs. Standard.

Order of Merit.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
1	Ragtime of Warenda ..	7196	T. Mesley ..	Jersey* ..	6,365	6·71	427·24	Jessie's Handsome Boy
2	Gold Bell	..	C. Deverell ..	,, ..	8,401	1·91	412·73	Golden Spark's Claribelles
3	Sparkle 3rd of Jerseyholm	6847	T. Harvey ..	,, ..	6,092	6·10	371·40	Emperor
4	Silvermine 20th of Banyule	7131	Lyon and Kerr	,, ..	6,374	5·81	370·53	Mabel's Chief (Imp.)
5	Rarity 11th of Melrose	..	J. H. Hunter	,, ..	6,479	5·63	364·84	Handsome Boy 5th
6	Chevy 12th of Melrose	..	J. H. Hunter	,, ..	5,954	6·08	361·95	Handsome Boy 5th
7	Thana of Somerville ..	..	J. Hutchinson	,, ..	5,965	6·02	359·12	Annette's 2nd Twylish of Kingsvale
8	Springfield de Kol ..	..	Flack and Sewell	Friesian	8,504	4·17	354·62	Rosevale Inka Sylvia Posch
9	Viola of Sparrovale ..	3908	Geelong Harbor Trust	Ayrshire	7,788	4·51	351·51	Scottish King of Gowrie Park
10	Jessie 22nd of Melrose	..	W. Woodmason	Jersey ..	5,472	6·35	347·79	Handsome Boy 5th
11	Leonora Canary ..	..	Flack and Sewell	Friesian	7,638	4·49	342·91	Sir Canary Pietje
12	Lady Grey 11th of St. Albans	..	A. W. Jones ..	Jersey ..	6,665	5·11	340·62	Golden Spark 1st of St. Albans
13	Lassie Fowler 7th of Melrose	..	W. Woodmason	,, ..	5,762	5·87	339·27	Handsome Boy 5th
14	Maid's Princess 2nd of Clover Flat	7443	F. Raggatt ..	,, ..	6,126	5·48	335·73	Prince's Noreen
15	Pearl of Willow Park ..	10266	W. K. Atkinson	Shorthorn	9,047	3·63	328·12	Havelock of Darbalara
16	Dido 2nd of Banyule ..	7117	Lyon and Kerr	Jersey ..	6,000	5·46	327·87	Mabel's Chief (Imp.)
17	Daffodil Mercena ..	..	A. W. Jones ..	Friesian	8,720	3·74	326·27	King Mercena
18	Graceful Duchess 19th of Melrose	..	W. Woodmason	Jersey ..	5,066	6·41	324·83	Handsome Boy 5th
19	Bolobek Kathleen ..	324	O. J. Syme ..	Friesian	8,187	3·92	320·96	Rhoda Prince of Rubicon
20	Duchess of Willow Park	9429	W. K. Atkinson	Shorthorn	8,510	3·77	320·59	Havelock of Darbalara
21	Quality 8th of Melrose..	..	J. H. Hunter	Jersey ..	5,504	5·81	320·11	Handsome Boy 5th

HEIFERS.—175 LBS. STANDARD.—*continued.*

Order of Merit.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
22	Pansy of Medburn Grove	4860	C. Bamford ..	Ayrshire	7,178	4·15	319·26	Leo of Gleneira
23	Bolobek Amy ..	325	O. J. Syme ..	Friesian	9,295	3·43	318·62	R.G.R.
24	Ransome of Craigneil ..	..	A. W. Jones ..	,,	9,605	3·31	318·33	Canterbury Statesman
25	Goldy of Strathbon ..	..	F. Raggatt ..	Jersey ..	5,006	6·35	317·94	Mack of Tarnpirr
26	Mabel's Petal of Banyule	7122	Lyon and Kerr	,, ..	5,611	5·62	315·30	Mabel's Chief (Imp.)
27	Verbena of Warrook ..	..	W. C. Greaves	Ayrshire	7,099	4·44	315·04	Fritz of Warrook
28	St. Albans' Gem ..	358	A. W. Jones ..	Friesian	9,138	3·42	312·17	Pearl's Prince of Brundee
29	Jessie 24th of Melrose ..	..	W. Woodmason	Jersey ..	5,316	5·85	310·89	Golden Fern's Viscount
30	Vixen of Tarnpirr ..	..	J. H. Hunter	,, ..	5,987	5·19	310·79	Amy's Choice of Tarnpirr
31	Tulip Flower	..	A. W. Jones ..	Friesian	9,452	3·26	308·39	Canterbury Statesman
32	Bainfield No. 40 ..	..	Flack and Sewell	,,	8,667	3·54	306·68	Medbury Prince
33	Velveteen 4th of Banyule	7136	Lyon and Kerr	Jersey ..	6,060	5·06	306·52	Audrey's Lord Twylish
34	Cordyline Hazel ..	..	A. W. Jones ..	Friesian	7,522	4·06	305·38	Cordyline Hero
35	Kirsty 8th of Jerseyholm	6846	T. Harvey ..	Jersey ..	5,962	5·12	305·18	Emperor
36	Gipsy of Sparrovale ..	6354	Geelong Harbor Trust	Ayrshire	6,600	4·60	303·99	Star of Sparrovale
37	Tulip 2nd of Merridale	..	Finn Bros. ..	Jersey ..	6,163	4·95	303·32	Dinah's Mabel of Kingsvale
38	Wistaria of Kelvin Grove	3298	G. Gange ..	Ayrshire	6,220	4·83	300·20	Model of Seafield
39	Bolobek Maisie ..	322	O. J. Syme ..	Friesian	9,006	3·33	299·91	Rhoda's Prince of Rubicon
40	Woodruff Lady Monda	..	Lyon and Kerr	Jersey ..	5,586	5·36	299·52	Lord Richmond
41	Lettie 2nd of Warrook	6377	W. C. Greaves	Ayrshire	6,489	4·56	295·99	Minerva's Jamie of Warrook
42	Tilly Lantry 2nd of Warenda	..	T. Mesley ..	Jersey ..	4,717	6·24	294·60	Jessie's Handsome Boy
43	Keepsake of Tarnpirr ..	7056	Mrs. E. Sims ..	,, ..	5,408	5·44	294·07	First Choice of Melrose
44	Whitecake of Glen Iris	..	C. D. Lloyd ..	,, ..	5,413	5·37	290·75	Brown Chief
45	Magnet's Lass 5th of Banyule	7123	Lyon and Kerr	,, ..	4,427	6·54	289·69	Mabel's Chief (Imp.)
46	Peerless 20th of Melrose	..	W. Woodmason	,, ..	5,114	5·64	288·68	Handsome Boy 5th
47	Tabitha of Riccarton ..	6517	J. A. Lang ..	Ayrshire	6,680	4·28	285·76	White Prince of Gleneira
48	Roseleaf of Langley Park	4953	Callery Bros. ..	,,	6,316	4·52	285·36	Bonnie's Chief of Victoria Bank
49	Bluebell 2nd of Jerseyholm	6845	T. Harvey ..	Jersey ..	5,903	4·83	285·07	Emperor
50	Peerless 14th of Melrose	..	W. Woodmason	,, ..	4,140	6·87	284·52	Handsome Boy 5th
51	Babe of Medburn Grove	..	C. Bamford ..	Ayrshire	6,923	4·09	283·11	Leo of Gleneira
52	Laura 10th of Melrose	..	W. Woodmason.	Jersey ..	4,346	6·50	282·52	Handsome Boy 5th
53	Domino Fobes of Yarra Brae	266	Flack and Sewell	Friesian	8,059	3·49	281·36	Domino Dutch Boy
54	Little Virtue of Ellerslie	6649	L. McFarlane	Ayrshire	5,413	5·18	280·45	Leila's Jamie of Ellerslie
55	Statuette 2nd of Banyule	7132	Lyon and Kerr	Jersey ..	4,637	6·05	280·37	Mabel's Chief (Imp.)
56	St. Albans' Lady ..	360	A. W. Jones ..	Friesian	6,725	4·15	279·45	Pearl's Prince of Brundee
57	Silver Harp of Banyule	7126	Lyon and Kerr	Jersey ..	6,145	4·54	278·77	Lord Silvermine 9th
58	Celia of Woorayl ..	..	Leongatha High School	,, ..	5,315	5·23	277·76	Butter Boy
59	Helna of Carracoorte ..	..	W. Henderson	Ayrshire	6,608	4·18	276·35	Lord Dudley of Gowrie Park
60	Lucy 7th of Mt. Eccles ..	6235	S. Rowe ..	Jersey ..	4,985	5·54	276·18	Mystery 8th's Fortune of Melrose
61	Gaiety Girl 10th of Melrose	..	W. Woodmason	,, ..	4,352	6·34	275·85	Golden Fern's Viscount
62	Stately of Craigneil ..	..	A. W. Jones ..	Friesian	7,778	3·53	274·39	Canterbury Statesman
63	Queenie of Willowvale	10451	W. K. Atkinson	Shorthorn	6,631	4·08	270·25	Havelock of Darbalara
64	Rosalina	..	Leongatha High School	Jersey ..	4,323	6·18	267·21	Butter Boy
65	Colleen Rhue	7115	Lyon and Kerr	,, ..	4,470	5·97	267·06	Mabel's Chief (Imp.)
66	Empress of Langley Park	6178	Callery Bros. ..	Ayrshire	5,848	4·55	266·21	Playaway of Willowvale
67	Beauty of Craigneil ..	..	A. W. Jones ..	Friesian	7,398	3·60	266·07	Canterbury Statesman
68	Countess of Willowvale	9250	W. K. Atkinson	Shorthorn	6,144	4·30	264·42	Havelock of Darbalara
69	Melba of Sparrovale ..	3904	Geelong Harbor Trust	Ayrshire	5,733	4·61	264·25	Scottish King of Gowrie Park
70	Fairy of Burnbrae ..	5840	Sadler Bros. ..	,,	7,515	3·51	263·52	Bonnie King of Gowrie Park
71	Bonnie 6th of Waverdale	..	F. W. Beischer	Jersey ..	3,797	6·92	262·87	Beauty 3rd's Fox
72	Jubilee Violet ..	..	Miss B. Reid ..	,, ..	4,931	5·96	262·65	Twylish's Madeira Fox 2nd
73	May of Jerseyvale ..	..	Mrs. L. Orchard	,, ..	4,670	5·62	262·58	Golden Twylish
74	Pretty of Retreat ..	4338	W. J. Muhlebach	Ayrshire	5,306	4·92	261·19	Musician of Willowvale
75	Beauty of Medburn Grove	4558	C. Bamford ..	..	5,630	4·63	260·85	St. Elfred of Willowvale
76	Daisy Bell of Retreat ..	4326	W. J. Muhlebach	,,	5,782	4·51	260·70	Musician of Willowvale

HEIFERS—175 LBS. STANDARD—*continued.*

Order of Merit.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
77	Queen Mary of Gleneira	6151	L. McFarlane	Ayrshire	6,365	4·07	258·98	Beau of Gleneira
78	Noorat Grey Girl 3rd ..	..	Mrs. A. Black	Jersey ..	5,111	5·06	258·82	Obelisk
79	Mayflower of Carracoorte	..	W. Henderson	Ayrshire	6,701	3·86	258·70	Cocky Rab of Gleneira
80	Violet of Retreat ..	4342	W. Meredith ..	,,	6,316	4·09	258·38	Musician of Willowvale
81	Lady Grey 9th of St. Albans	..	A. W. Jones ..	Jersey ..	4,329	5·96	258·23	Sweet Fox 2nd of St. Albans
82	Docy of Riccarton ..	6497	J. A. Lang ..	Ayrshire	6,308	4·08	257·21	White Prince of Gleneira
83	May of Clover Flat ..	7444	F. Raggatt ..	Jersey ..	5,241	4·90	256·76	Prince Noreen
84	Fancybread of Glen Iris	..	C. D. Lloyd ..	,, ..	4,866	5·28	256·73	Brown Chief
85	Crest of Willowvale ..	5316	J. A. Lang ..	Ayrshire	6,200	4·13	256·12	Tarbolton of Oakbank
86	Music of Warenda ..	..	T. Mesley ..	Jersey ..	4,571	5·59	255·79	Jessie's Handsome Boy
87	Jessamine of La Motte	5256	S. A. Johnson	Ayrshire	5,675	4·49	255·07	Capt. Tasman
88	Peeress of Ayrbrae ..	5406	L. McFarlane	,,	5,107	4·99	254·92	Earl of Drayton
89	Duchess of Hanover 2nd	214	Flack and Sewell	Friesian	6,354	4·00	254·52	Sultan La Polka
90	Mary of Ayrbrae ..	6642	L. McFarlane	Ayrshire	5,207	4·85	252·93	Harmonist of Ellersli
91	Regina of Tarnpirr ..	..	Mrs. M. I. Alston	Jersey ..	4,168	6·06	252·75	Amy's Choice of Tarnpirr
92	Emily of Riccarton ..	6498	J. A. Lang ..	Ayrshire	6,024	4·18	251·99	White Prince of Gleneira
3	Ruby of Riverside ..	6835	J. H. Rogers ..	,,	6,013	4·17	250·86	Adella's Jamie of Ellerslie
94	Vanilla 12th of Melrose..	..	W. Woodmason	Jersey ..	4,076	6·11	249·09	Merry King of Melrose
95	Foxglove 2nd.. ..	..	Knight Estate	,, ..	4,472	5·57	248·99	First Choice of Melrose
96	Tulip of Medburn Grove	..	C. Bamford ..	Ayrshire	5,888	4·22	248·63	St. Elfred of Willowvale
97	Welcome of Ben Kell ..	4591	R. Ralston ..	,,	6,660	3·73	248·51	Girvan of Oakbank
98	Dunalister's Brighton Mite	..	S. Rowe ..	Jersey ..	4,589	5·41	248·51	Dunalister's Lord Brighton
99	Keepsake of Warenda ..	..	T. Mesley ..	,, ..	3,951	6·28	247·98	Jessie's Handsome Boy
100	Lily of Holly Green ..	4772	H. L. Webb ..	Ayrshire	5,755	4·30	247·62	Rex of Oakbank
101	Bolobek Ruby ..	314	O. J. Syme ..	Friesian	6,990	3·54	247·49	Rhoda's Prince of Rubicon
102	Brown Bess of La Motte	5254	S. A. Johnson	Ayrshire	5,218	4·72	246·72	Capt. Tasman
103	Trixie of Medburn Grove	7005	C. Bamford ..	,,	5,087	4·84	246·41	St. Elfred of Willowvale
104	Evae	..	Department of Agriculture	Red Poll	4,679	5·23	244·95	Ereb
105	Prim Patch of Yarra Brae	..	Flack and Sewell	Friesian	7,074	3·45	243·98	Longbeach Big Patch
106	Plum	..	Mrs. E. Lithgow	Red Poll	5,348	4·55	243·46	The Persian
107	Lady of Belgonia ..	..	P. J. Maloney	Jersey ..	4,490	5·64	243·32	Lion of Bonshaw
108	Cornflower of Springhurst	7326	J. D. Read ..	,, ..	4,662	5·22	243·32	Brighton Cub
109	Romany Girl 2nd of Tarnpirr	..	C. G. Knight's Estate	,, ..	4,715	5·14	242·66	First Choice of Melrose
110	Beauty of Bonshaw ..	..	P. J. Maloney	,, ..	4,470	5·42	242·53	Laddie 2nd of Banyule
111	Wave of Willowvale ..	5320	J. A. Lang ..	Ayrshire	4,675	5·19	242·47	Tarbolton of Oakbank
112	Marcia of Willow Park	5271	G. A. Kent ..	..	6,161	3·93	242·05	Marcus of Holly Green
113	Marie of Bonshaw ..	..	P. J. Maloney	Jersey ..	5,252	4·59	241·35	Laddie 2nd of Banyule
114	Ada 2nd of Carracoorte	..	W. Henderson	Ayrshire	5,409	4·45	240·57	Lord Dudley of Gowrie Park
115	Jubilee Willow ..	..	Miss B. Reid ..	Jersey ..	4,468	5·37	240·00	Twylish Madeira's Fox 2nd
116	Heather of Winslade ..	.. ..	L. McFarlane	Ayrshire	4,875	4·92	239·97	Bowler of Seafield
117	Treasure of Medburn Grove	..	C. Bamford ..	,,	5,565	4·31	239·96	St. Elfred of Willowvale
118	Virginia of Springhurst	..	J. D. Read ..	Jersey ..	4,267	5·60	238·98	Haig of Springhurst
119	Queenie of Langley Park	6184	Callery Bros. ..	Ayrshire	4,891	4·85	237·26	Playaway of Willowvale
120	Floss of Sparrovale ..	3892	Geelong Harbor Trust	,,	5,570	4·24	236·71	Scottish Chief of Sparrovale
121	Myrtle of Sparrovale ..	3905	Geelong Harbor Trust	,,	5,260	4·48	235·52	Scottish Chief of Sparrovale
122	Velour	..	Department of Agriculture	Red Poll	5,511	4·24	233·75	Longford Major (Imp.)
123	Lotus of Burnbrae ..	6846	Sadler Bros. ..	Ayrshire	5,603	4·14	232·25	Laurie's Laird of Gowrie Park
124	Elena of Seafield ..	4967	W. A. Francis	,,	5,123	4·53	231·94	Donald of Wethersdane
125	Garland of Ben Kell ..	5748	W. J. Muhlebach	,,	5,989	3·87	231·94	Girvan of Oakbank
126	Peeress of St. Albans ..	..	A. W. Jones ..	Jersey ..	4,513	5·37	231·73	Sweet Fox 2nd of St. Albans
127	Pardon of Ben Kell ..	5753	R. Ralston ..	Ayrshire	5,745	4·03	231·25	Girvan of Oakbank
128	Sweet Maid of Mt. Eccles	6236	S. Rowe ..	Jersey ..	4,475	5·16	231·15	Mystery 8th's Fortune of Melrose
129	Sylvia of Ayrbrae ..	5409	L. McFarlane	Ayrshire	5,062	4·55	230·32	Earl of Drayton
130	Fluffy of Willowvale ..	5317	J. A. Lang ..	,,	4,967	4·61	229·24	Tarbolton of Oakbank
131	Peerless 16th of Melrose	..	W. Woodmason	Jersey ..	3,878	5·91	228·99	Handsome Boy 5th
132	Dolly Brown of Inverleigh	5854	A. H. Schier ..	Ayrshire	5,983	3·78	226·25	Index of Balvormie
133	Bud of Roxburgh ..	5119	J. A. Lang ..	,,	4,977	4·54	225·99	Jack of Roxburgh
134	Eidelweiss of Springhurst	7327	J. D. Read ..	Jersey ..	4,188	5·32	222·99	Fisher of Springhurst
135	Pearline of Retreat ..	5392	W. J. Muhlebach	Ayrshire	4,688	4·75	222·66	Musician of Willowvale

HEIFERS—175 LBS. STANDARD—*continued.*

Order of Merit.	Name.	Herd Book No.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
					lbs.		lbs.	
136	Noorat Flashlight 2nd ..	6411	Mrs. A. Black	Jersey ..	3,928	5·66	222·19	Milk Lad of Banyule
137	Star of Kelvin Grove ..	6104	W. J. McKernan	Ayrshire	4,838	4·59	222·09	Model of Seafield
138	Gladinia of La Trobe ..	4809	Sale High School	,,	4,463	4·96	221·37	Darnley of Gowrie Park
139	Gertie 3rd of Carracoorte	..	W. Henderson	,,	4,324	5·12	221·35	Victorious of Warrook
140	Esme 2nd Riccarton ..	6501	J. A. Lang ..	,,	5,709	3·84	219·16	White Prince of Gleneira
141	Linda 2nd of Bonshaw	7100	Mrs. E. M. Lennie	Jersey ..	4,761	4·60	219·07	Laddie 2nd of Banyule
142	Edith 5th of Hillfield ..	..	F. Sadler ..	Shorthorn	5,851	3·70	216·35	43rd Earl of Pentland
143	Fairy Queen 2nd of St. Albans	..	A. W. Jones ..	Jersey ..	3,837	5·57	215·69	Sweet Fox
144	Primrose 2nd of Tarnpirr	..	C. G. Knight's Estate	,, ..	4,132	5·14	212·30	First Choice of Melrose
145	Veronica of Ben Kell ..	5755	R. Ralston ..	Ayrshire	4,775	4·44	212·23	Girvan of Oakbank
146	Laodicea	..	Department of Agriculture	Red Poll	4,906	4·32	212·05	Belligerent (Imp.)
147	Brighton Peeress 2nd of Warenda	..	T. Mesley ..	Jersey ..	3,392	6·25	211·91	Carrie's 5th Noble of Melrose
148	Nemophila of Springhurst	7332	J. D. Read ..	,, ..	3,918	5·37	210·27	Investigator of Melrose
149	Toronto	..	Department of Agriculture	Red Poll	4,716	4·46	210·21	Belligerent (Imp.)
150	Jubilee Periwinkle ..	..	Miss B. Reid ..	Jersey ..	3,259	6·43	209·57	Jubilee Fox
151	Sylvina	..	Department of Agriculture	Red Poll	4,607	4·53	208·91	Nicotine
152	Silver Lotus of Banyule	7129	Lyon and Kerr	Jersey ..	4,412	4·72	208·00	Audrey's Lord Twylish
153	Ornitha	..	Department of Agriculture	Red Poll	4,213	4·93	207·78	Nicotine
154	Lucy of Carracoorte ..	..	W. Henderson	Ayrshire	5,201	3·97	206·61	Cocky Rab of Gleneira
155	Balm 2nd of Carracoorte	..	W. Henderson	,,	5,054	4·09	206·53	Victorious of Warrook
156	Empress of Springhurst	7328	J. D. Read ..	Jersey ..	4,066	5·05	205·49	Brighton Cub
157	Lady Grey 10th of St. Albans	..	A. W. Jones ..	,, ..	3,789	5·40	204·45	Sweet Fox 2nd of St. Albans
158	Coralloid of Banyule ..	6065	Lyon and Kerr	,, ..	3,625	5·61	203·32	Mabel's Chief (Imp.)
159	Bonnie of Glencairn ..	5640	J. H. Rogers ..	Ayrshire	5,473	3·71	202·83	Zero of Rythdale
160	Silverine of Inverleigh	5864	A. H. Schier ..	,,	4,340	4·66	202·37	Marker of Balvormie
161	U.S.A.	..	Department of Agriculture	Red Poll	4,161	4·85	201·87	Longford Major (Imp.)
162	Lupin of Medburn Grove	4859	C. Bamford ..	Ayrshire	4,761	4·23	201·20	St. Elfred of Willowvale
163	Werribee Island Starbright	..	Miss S. L. Robinson	Jersey ..	3,501	5·73	200·51	Island Butter King
164	Cambria	..	Mrs. M. E. Carroll	Red Poll	4,589	4·36	200·23	Nicotine
165	Bloom of Roxburgh ..	..	J. A. Lang ..	Ayrshire	4,443	4·47	199·53	Gallant Duke
166	Primrose of Sparrovale	6359	Geelong Harbor Trust	,,	4,198	4·75	199·42	Scottish King of Gowrie Park
167	Kyora's Merry Mike's Mayflower	..	Miss S. L. Robinson	Jersey ..	4,350	4·54	197·59	Merry Mike
168	Picotee of Springhurst	7333	J. D. Read ..	,, ..	3,901	5·05	197·57	Brighton Cub
169	Balwyn's Cherry 2nd ..	..	H. Stone ..	Shorthorn	4,708	4·13	194·53	
170	Clarice of Burnbrae ..	6839	Sadler Bros. ..	Ayrshire	4,829	4·02	194·41	Laurie's Laird of Gowrie Park
171	Princess of Welbourne	..	G. Rowe ..	Jersey ..	3,730	5·21	194·39	Kyabram Milk Lad
172	Viola of Dunachton ..	5200	R. Hall ..	Ayrshire	5,604	3·46	194·08	Adella's Jamie of Raith
173	Daisy of Bignold ..	..	F. W. Beischer	Jersey ..	4,157	4·65	193·13	Beauty's Third, Fox
174	Butter Queen of Staghorn	5591	F. Bidgood ..	,, ..	3,262	5·90	192·59	Island Butter King
175	Jubilee Lavender ..	7343	Miss B. Reid ..	,, ..	3,292	5·83	192·19	Twylish Medeira's Fox 2nd
176	Miriam of Fernhill ..	4775	H. L. Webb ..	Ayrshire	5,088	3·78	192·17	Warlock of Fernhill
177	Eureka	..	Department of Agriculture	Red Poll	4,186	4·59	191·96	Nicotine
178	Rita of Springfield ..	..	J. W. Cochrane	Ayrshire	4,024	4·76	191·75	Jamie of View Point
179	Myrtle 2nd of Jersey Vale	..	Mrs. L. Orchard	Jersey ..	3,190	5·96	190·13	Golden Twylish
180	Minnie of Riverside ..	6825	J. H. Rogers ..	Ayrshire	4,370	4·33	189·09	Adella's Jamie of Ellerslie
181	Dominion	..	Department of Agriculture	Red Poll	4,229	4·46	188·48	Belligerent (Imp.)
182	Bell of St. Albans ..	..	A. W. Jones ..	Jersey ..	3,887	4·76	185·18	Sweet Fox 2nd of St. Albans
183	Jewel of Holly Green ..	4770	H. L. Webb ..	Ayrshire	4,382	4·20	184·18	Bruce of Holly Green
184	Mountain Queen of Langley Park	4952	Callery Bros ..	,,	3,798	4·82	182·93	Forest King of Langley Park
185	Noorat Sheila 6th ..	..	Mrs. A. Black	Jersey ..	3,627	5·01	181·92	Obelisk
186	Janet 2nd of Golden Vein	7481	J. A. Lang ..	Ayrshire	3,442	5·21	179·45	Sergeant of Golden Vein
187	Coleus of Springhurst ..	7325	C. Devereil ..	Jersey ..	2,720	6·58	179·09	Brighton Cub
188	Verbena of Retreat ..	4341	W. J. Muhlebach	Ayrshire	4,109	4·32	177·73	Musician of Willowvale

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SUDAN GRASS

The Greatest of all Summer Fodder Plants

Produces a higher yield of forage, under drought conditions, than any other Summer Plant.

Under average conditions it grows to a height of from 5 to 6 feet. Under good conditions it has been known to grow as high as 8 feet.

ADAPTABLE TO ALL CLIMATES AND WILL THRIVE ON ANY SOIL

The palatability of Sudan Grass cannot be questioned, as all classes of stock eat it readily, whilst judging from the way sheep fatten, cattle increase their milk flow, and horses work when fed on it, it must be exceedingly digestible, a quality that deserves consideration in feeding.

In the very hot, dry Summer periods it will always provide green succulent fodder when other grasses are absolutely dry.

WE HANDLE ONLY ONE GRADE OF SUDAN GRASS SEED—THE BEST REMACHINE-CLEANED, PURE, AND OF THE HIGHEST GERMINATION

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SOMNER'S "Tip-Top" Strain Sudan Grass, 1/- lb.; 93/4 cwt.
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Contains over 85% of a heavy bodied Red Mineral Oil and is an absolutely deadly insecticide.

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Berger's Arsenate of Lead

Will not scorch the trees or wash off, yet deadly to all parasites.

Spray your trees with **Neptune "A" Prepared Spraying Oil** during the winter months, following it up with **Lime and Sulphur** and **Arsenate of Lead,** and beautiful, clean, spotless fruit will be the inevitable result.

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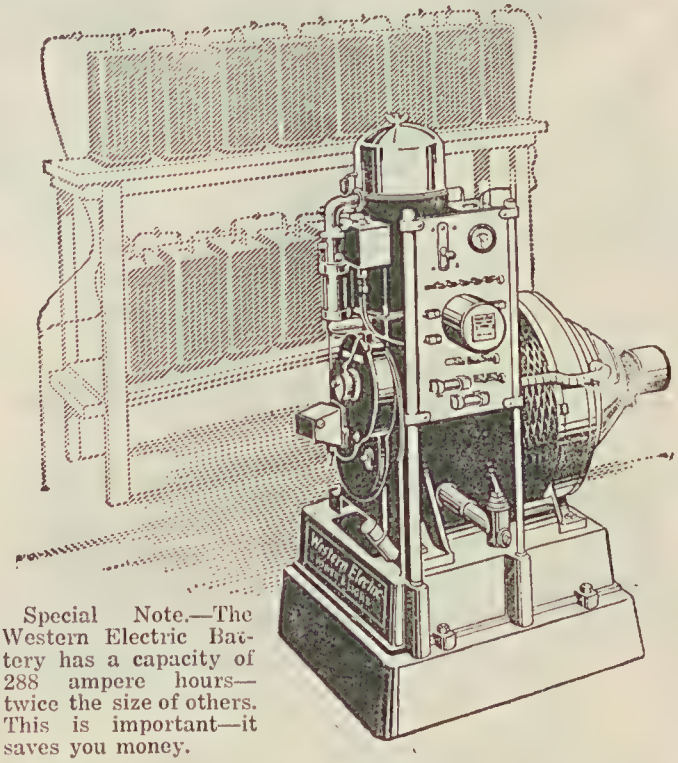

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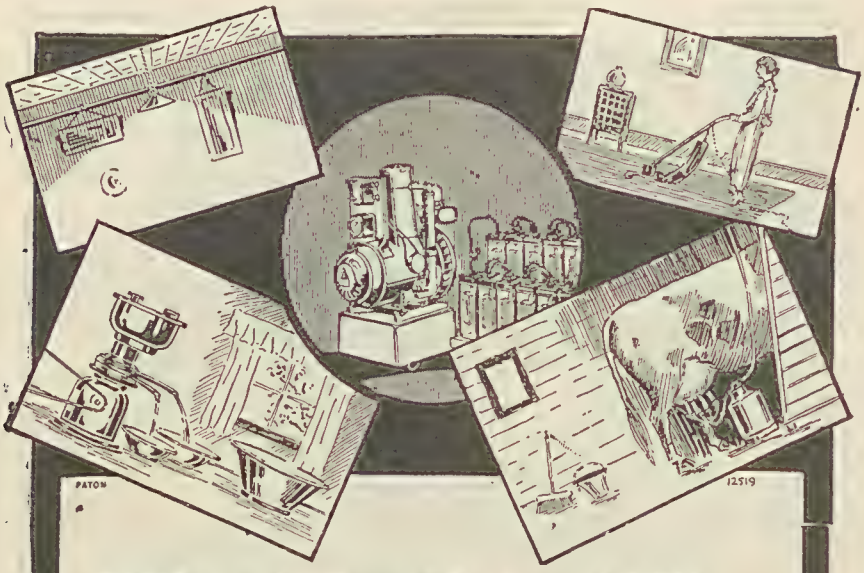

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In Powder Form—Mixes Readily in Cold Water.

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DEPARTMENT OF AGRICULTURE, VICTORIA

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The Department will shortly have completed the orders for the 56 bull calves that were booked ahead of calving when the advertisement was withdrawn; consequently the booking of orders for bull calves from the forthcoming spring calvings has now been resumed.

BULL CALVES are sold for delivery at a month old at prices based approximately on the actual milk and butter fat record of the dam at the rate of 1s. per lb. of butter *fat* yielded.

(See Record of Yields published annually in this Journal.)

The Bulls in Use include—

LONGFORD MAJOR (Imported)

Dam's Record 14713 lbs. milk ... 6 years average 11338 lbs. milk
G. Dam's ,, 10548 ,, ... 4 ,, ,, 9155 ,,

BELLIGERENT (Imported)

Dam's Record (1st milking) 7144 lbs. milk.

Dam's Dam's	,,	14533 lbs. milk	...	4 years	average	12871 lbs. milk
Sire's Dam's	,,	10370	,,	... 7 ,,	,,	9354 ,,
Sire's D. Dam's	,,	9510	,,	... 12 ,,	,,	8033 ,,
G. Sire's D. Dam's	,,	10215	,,	... 7 ,,	,,	9386 ,,
G.G. Sire's D. Dam's	,,	12565	,,	... 10 ,,	,,	8853 ,,
G.G.G. Sire's D. Dam's	,,	10088	,,	... 2 ,,	,,	9754 ,,

Inspection of the Herd is Invited.

Visitors will be met at the Station on notifying the Manager, State Research Farm, Werribee.

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